The CHEMIST AND DRUGGIST

Established 1859 28 Essex Street, Strand, London, W.C.2. *Registered as a Newspaper*

No. 2706
VOL. CXV.

DECEMBER 19, 1931

Annual Subscription (with Diary) 20/-. *Single Copies* 9d.

One of the many British Products which have made the name of Meggeson famous:—

Vistic Regd.

A little sprinkled on the Denture gives immediate adhesion and comfort

★

Every chemist should stock it

★

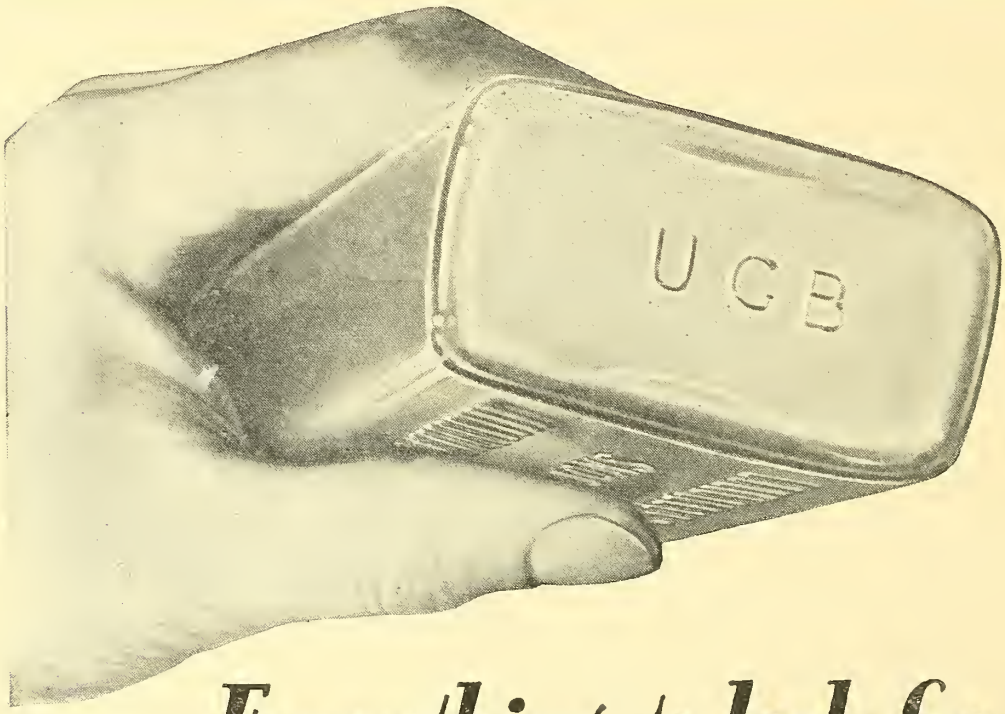
Retails at 1/9 and 1/- P.A.T.A. 13/- and 7/- per doz.

MEGGESON & Co LTD

Established over 130 years

BERMONDSEY, LONDON

Index to Advertisers, pp. 5 & 6.



Everything to look for on a Bottle..

IMITATION may be the sincerest form of flattery, but the extent to which the U.G.B. Medical Bottle is imitated in inferior quality is far from gratifying.

Designed some ten years ago as an ideal dispensing bottle, it is now the standard for this purpose. The consistently high quality, accurate capacity and attractive appearance, places the U.G.B. Medical in a class by itself.

The success of this bottle has been greatly enhanced by the introduction of the "WASHED & STERILIZED READY-TO-USE BOTTLE" packed in non-returnable Dustproof Solid Fibre Cartons—supplied either for Corks or complete with Rustless White Enamelled Screw Caps.

Obtainable from all leading Wholesalers.

UNITED GLASS BOTTLE
MANUFACTURERS · LIMITED

The largest manufacturers of Glass Bottles in Europe.

Head Offices:
40/43 NORFOLK STREET, STRAND, LONDON, W.C.2.

Telephone: Temple Bar 6680 (10 lines).
Telegrams: Unglaboman, Estrand, London.

The 100% Bottle Service for the Busy Dispenser

An Inexpensive

INTERNAL TREATMENT

for boils, carbuncles, etc., has long been needed.

KURBOIL TABLETS

Have an assured market awaiting them.

Composed of medicinal tin, these tablets bring about absorption of the boil, which is, of course, quite painless.

Those who suffer continually from this complaint will find that a course of these tablets will give entire freedom and relief.

Tubes, cartoned, 50 tablets

PRICE - **7/6** doz.

RETAIL **1/3**

PROFIT **100%**

ARTHUR·H·COX·&·CO·LTD
Manufacturing Chemists
BRIGHTON·ENGLAND

XMAS 1931 NEW YEAR 1932

THE
SEASON'S
GREETINGS
TO OUR MANY
FRIENDS AT HOME
AND ABROAD BEST
WISHES FOR A HAPPY
YULETIDE AND
A PROSPEROUS NEW YEAR
FROM THE DIRECTORS
REPRESENTATIVES & STAFF OF

ARTHUR BERTON LTD

BRITANNIA HOUSE OLD STREET

Telephone : *Clerkenwell* 1346/7/8/9

LONDON E.C.1

Telegrams : *"Aybelim, Finsquare, L'n."*

MANCHESTER: 36 CHAPEL ST.

GLASGOW: 29/31 DUKE ST.

FOR 153 YEARS

Bristows

LONDON

Have wished their friends
AT HOME and ABROAD

A HAPPY CHRISTMAS
and
A PROSPEROUS NEW YEAR

They do so again for
the 154th time with
ALL GOOD WISHES

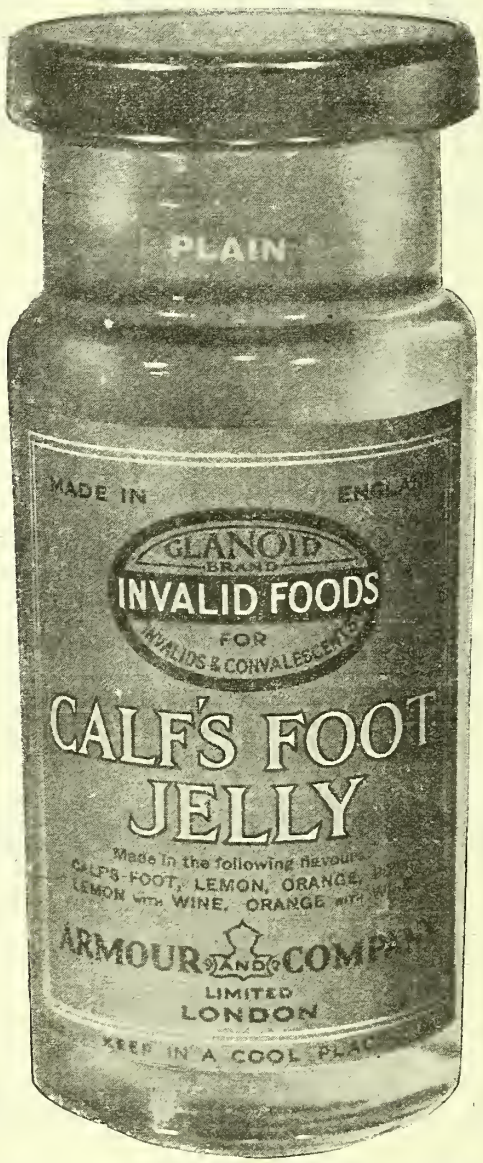
Bristows

Perfumers &
Soapmakers
LONDON

THE CHEMISTS' HOUSE since 1777

GLANOID

8D. PROFIT ON AN OUTLAY OF 10D. OR 80%



SOLD BY CHEMISTS ONLY

MADE IN OUR LABORATORIES IN SURREY

Retail Price 1/6 per Jar. Chemists' Price 10/- per doz.

LABORATORY DEPARTMENT

ARMOUR AND COMPANY LIMITED

ARMOUR HOUSE, St. MARTIN'S-LE-GRAND,

LONDON, E.C.1.

TELEGRAMS: "ARMOSATA-CENT," LONDON.

TELEPHONE: NATIONAL 2424.

INDEX TO ADVERTISERS

Allen & Hanburys, Ltd. (Insulin 'A.B.') 19
Armour & Co., Ltd. (Calf's Foot Jelly) 4
Armstrong Cork Co., Ltd. (Corks) xxiii
Association of Manfg. Chemists, Ltd. Col. Supp.
Ayrton, Saunders & Co., Ltd. (Wholesale Druggists) Cover-15

Bailey, R., & Son, Ltd. ("Steraid" Dressings) xvi
Bell, John, Hills & Lucas, Ltd. (Pharml. Preps.) ..... Leader Page
Berdoe & Fish (Valuers, &c.) Col. Supp.
Berton, Arthur, Ltd. (Greeting) 2
Blackie, R. (Spun Ointments) viii
Blythe, W., & Co., Ltd. (Chemicals) ii
Blyton, Astley & Co., Ltd. (Lozenges, &c.) 18
Bob Martin, Ltd. (Dog Remedies) .. 22
Brierley, John (Valuer, &c.) .. Col. Supp.
Bristow, T. F., & Co., Ltd. (Greeting) 3
British Felsol Co., Ltd. (Asthma Remedy) ..... Leader Page
Burrough, J., Ltd. (Christmas Wines) Leader Page
Burroughs Wellcome & Co. (Bismuth Carbonate) 23

Caldicot Tin Stamping Works, Ltd. (Decorated Tins) xv
Calvert, F. C., & Co., Ltd. (Tooth Powder) 16
Cartwright, W. B., Ltd. (Greeting) .. 9
Cataline Co. (Veterinary Medicines) xxi
Christy, T., & Co. (Cachet Machines) 13
Clark, S. F. (Valuer, &c.) .... Col. Supp.
Constipon Tablets ii
Continental Laboratories, Ltd. (Botol) viii
Cooper Laboratory, Ltd. .... Leader Page
Cox, A. H., & Co., Ltd. (Kurboil Tablets) 1
Criscuolo & Co., Ltd. (Hair Wave Preserver) 19
Crookes Laboratories ("Colloplasma") x

Dominion Steel Corporation, Ltd. (Razor Blades) 16
Dudley & Co., Ltd. (Glass Counters, &c.) 14-xiv

Edme, Ltd. (Malt Extract) xii
Ellams & Co. (Printing) 18

Farley, W. G. (Shopfittings) 18

Galen Products Co., Ltd. (Throat Pastilles, &c.) 20
Galloway, P. H., Ltd. (Cough Syrup) xiii
Gardiner & Co. (The Scotch House), Ltd. (Overalls) xii
Gardner, W., & Sons (Glos.), Ltd. (Machinery) 14
General Optical Co. (Barometers, &c.) 12
George, Ernest J. (Valuer, &c.) Col. Supp.
Gill, Herbert, & Co. (Scissors) 16
Gollin & Co. Pty., Ltd. (Aspro) ix

Grandex Carriers (Carrier Cycles) .. 18
Griffin & Tatlock, Ltd. (Pharmaceutical Machinery) 14
Grout & Co., Ltd. (Crêpe Bandages) xvi

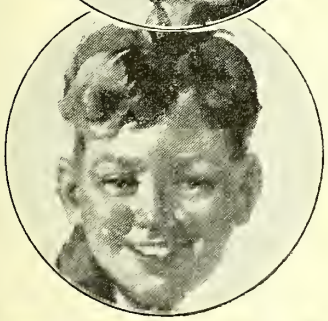
Hackett, S. E. (Film Overstocks) Col. Supp.
Hanson, W., & Sons, Ltd. (Glassware) xx
Harker, C. R., Stagg & Morgan, Ltd. (Petrolax) iv
Harris, Hart & Co., Ltd. (Glauber Salts, &c.) iii
Himrod Manfg. Co., Ltd. (Asthma Cure) iv
Hind & Lund, Ltd. (Machinery) xxi
Horner, L. A., & Sons (Drugs, &c.) .. iii
Howards & Sons, Ltd. (Quinisan, &c.) i

Impex Co. (Peroxide Tooth Paste) 19

Johns, Son, & Watts, Ltd. (Cartons) xviii
Johnson & Sons Mfg. Chemists, Ltd. (Standardised Galenicals) iii
Josephs, Philip, & Sons, Ltd. (Shopfittings) ..... Col. Supp.

Kalisky, S. (Aldgate), Ltd. (Wanie Blades) 16
Kay Bros., Ltd. (Linseed Compound) 5
Kaydor, Ltd. (Morfi Rubber Products) 18
Kent, G. B., & Sons, Ltd. (Brushes) 16
King, G., & Co., Ltd. (Malted Foods) Cover

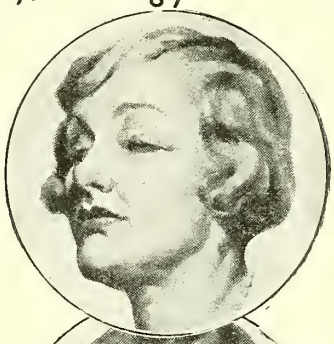
[*Continued overleaf.*



Meet the KAY family!

YOU will be running across them constantly in the newspapers and the magazines both week-days and Sundays. Watch how chattily, charmingly and convincingly they are reminding your customers—more than nine million of them—of the famous old home remedy for coughs, colds and bronchitis.

Now is the time to buy a direct parcel on best terms. Write for details and see what you save.



KAY BRAND LINSEED COMPOUND

KAY BROTHERS LTD., STOCKPORT

INDEX—cont.

Kof-oh Co., Ltd. (Cough Cure, &c.) .. vi
Kork-N-Seal Agency, Ltd. (Lever Bottle Cap) xxiv

Leyland & Birmingham Rubber Co., Ltd. (Hot Water Bottles) xvii
London Capsule Co. ("Adaptocaps") xx

McAuslane, A. (Businesses Wanted) 12
Manchester Tutorial College 18
Mandall & Co., Ltd. (Licoricine) xv
Martin, Bob, Ltd. (Dog Preparations) 22
Mather, William, Ltd. (Adhesive Plasters) xviii
Matthews, D., & Sons (Shopfittings) Col. Supp.
Matthews Laboratories, Ltd. (Digitalis) ..... Leader Page
Maund, F., & Berg, E., Ltd. (Showcases) ..... 18-Col. Supp.
Maw, S., Son & Sons, Ltd. 11
Medway Corrugated Paper Co., Ltd. (Corrugated Papers, &c.) 13
Meggeson & Co., Ltd. (Vistic Plate Powder) ..... Cover
Meusel, L. M. (Plastic Models) 18
Midgley & Parkinson, Ltd. (Yeast Preps.) xv
Molson Ionized Iodine Co., Ltd. 18
Mundet Cork Products, Ltd. xx
Munns Bros., Ltd. (Photographic) .. 18

National Cash Register Co., Ltd. .. xxii
Newball & Mason (Ginger Wine Essence) xii
Norwegian Cod Liver Oil xv

Orridge & Co. (Valuers, &c.) .. Col. Supp.
Owbridge, W. T., Ltd. (Greeting) .. x

Pitman, Sir Isaac, & Sons, Ltd. (Books) 18
Potter & Clarke, Ltd. (Wholesale Druggists) 21
Prichard & Constance (Manfg.), Ltd. (Warning) 17
Prideaux's, Ltd. (Dried Milk) xv
Pure Russian Liquid Paraffin Co., Ltd. xiv

Raleigh Cycle Co., Ltd. (Delivery Van) 18
Ransom, W., & Son, Ltd. (Solid Extracts, &c.) ..... Cover
Reade Bros. & Co., Ltd. (Express Powders) vi
Rendell, W. J., Ltd. (Quinine Pessaries) xvi
Rippin, A. J., Ltd. (Drugs) ii
Roberts & Sheppey, Ltd. (MelRose) vi
Ronaldson, John, & Co. (Senna) v
Rowland, A., & Sons, Ltd. (Macassar Oil) 16
Rudduck & Co. (Shopfittings) Col. Supp.

Scruton, O., & Co. (Nurse Harvey's Mixture) 14
Scurr, C. A. (Greeting) 7
Shadeine Co. (Hair Dyes) 18
Smith, T. & H., Ltd. (Alkaloids) ii
Solazzi (Liquorice) iv
Solport Bros., Ltd. (Hot Water Bottle Covers) xix
Southall Bros. & Barclay, Ltd. (Sanitary Towels) xvi

Stanberts, Ltd. (Advertising Balloons, &c.) 18
Sterns, Ltd. (Oils, Petroleum) xiv
Suttley & Silverlock, Ltd. (Labels, &c.) xxi

Tatcho Laboratories (Hair Preps.) .. 18
Thompson, John (Wholesale Druggists, 1921), Ltd. (Ginger Wine Essence) 6
Town Talk Polish Co. (Polishing Cloths, &c.) xxii

United Drug Co., Ltd. (Pharmaceutical Products) xi
United Glass Bottle Manufacturers, Ltd. (Medical Bottles) ..... Cover
United Indigo & Chemical Co., Ltd. ("Winning Colours" Dyes) xix

Vareen, Ltd. (Greeting) .. Leader Page
Viscose Development Co., Ltd. (Bottle Capping) xx

Warrick Bros., Ltd. (Winter Pastilles) 24
Westminster College of Pharmacy .. xxi
Whiffen & Sons, Ltd. (Bromides, &c.) ..... Cover
Wilkinson, S. W., & Co. (Rotary Tablet Machines) 10
Wood Bros. Glass Co., Ltd. (Glassware) xxii
Woolley, J., Sons & Co., Ltd. ("Boval" Floor Gloss) 8
Wright, John, & Co. (Radiators) 10
Wyleys, Ltd. (Pharmaceuticals) .. Cover

Zeal, G. H., Ltd. (Clinicals) xviii
Zimmermann, C., & Co. (Chem.), Ltd. (Chemicals, &c.) vii

PREPARE FOR WINTER TRADE

JAYTEE'S GINGER WINE ESSENCE

NON-INTOXICATING, WARMING AND STIMULATING

Retails at 9d.

Decanter and 3 Wine Glasses for Window Display supplied with each order for 1 gross.

PRICES:

Per doz. - - 5/6
6 doz. - - - 5/3
12 doz. - - 5/-

One 9d. Bottle makes 1 gallon (Or Six Wine Bottles) of **Delicious Cordial**

JOHN THOMPSON (*Wholesale Druggists* 1921) **LTD.**

27/35 DUKE STREET, LIVERPOOL

Telegraphic Address: "DRUGS, LIVERPOOL." *Telephone No.:* ROYAL 1434 (*6 lines*)

To old friends and new friends

HAPPINESS AND PROSPERITY

Add to your Prosperity in the New Year

QUALIFY IN OPTICS

Pharmacists who have adopted sight-testing as an adjunct to pharmacy find it an appropriate, interesting and profitable form of practice. The Pharmacist, by reason of his scientific and technical training, is peculiarly qualified to learn the principles and apply the technique of sight-testing, and to practise it efficiently—alike to his own advantage and that of the public.

EXPERT TUITION

for the SIGHT-TESTING DIPLOMAS of the Worshipful Company of Spectacle Makers (F.S.M.C.); the British Optical Association (F.B.O.A.); the National Association of Opticians (F.N.A.O.); or the College of Optics (F.C.O.).

Thorough, systematic coaching in preparation for these Examinations and personal guidance throughout. The courses may be commenced at any time, and they are so arranged as to extend over any period to suit individual requirements.

PRACTICAL WORK.—Personal tuition in the practical work is a distinctive feature. Students can avail themselves of the practical classes held during examination times when they are in London.

Write for full particulars to—

C. A. SCURR

M.P.S., F.S.M.C., F.B.O.A., F.N.A.O., F.I.O., F.C.O.

50 HIGH STREET

BARNET

LONDON, N

For a PERFECT dance floor
you can confidently recommend –
'BOVAL'
FLOOR GLOSS

During the Dancing Season display
"BOVAL"
FLOOR GLOSS

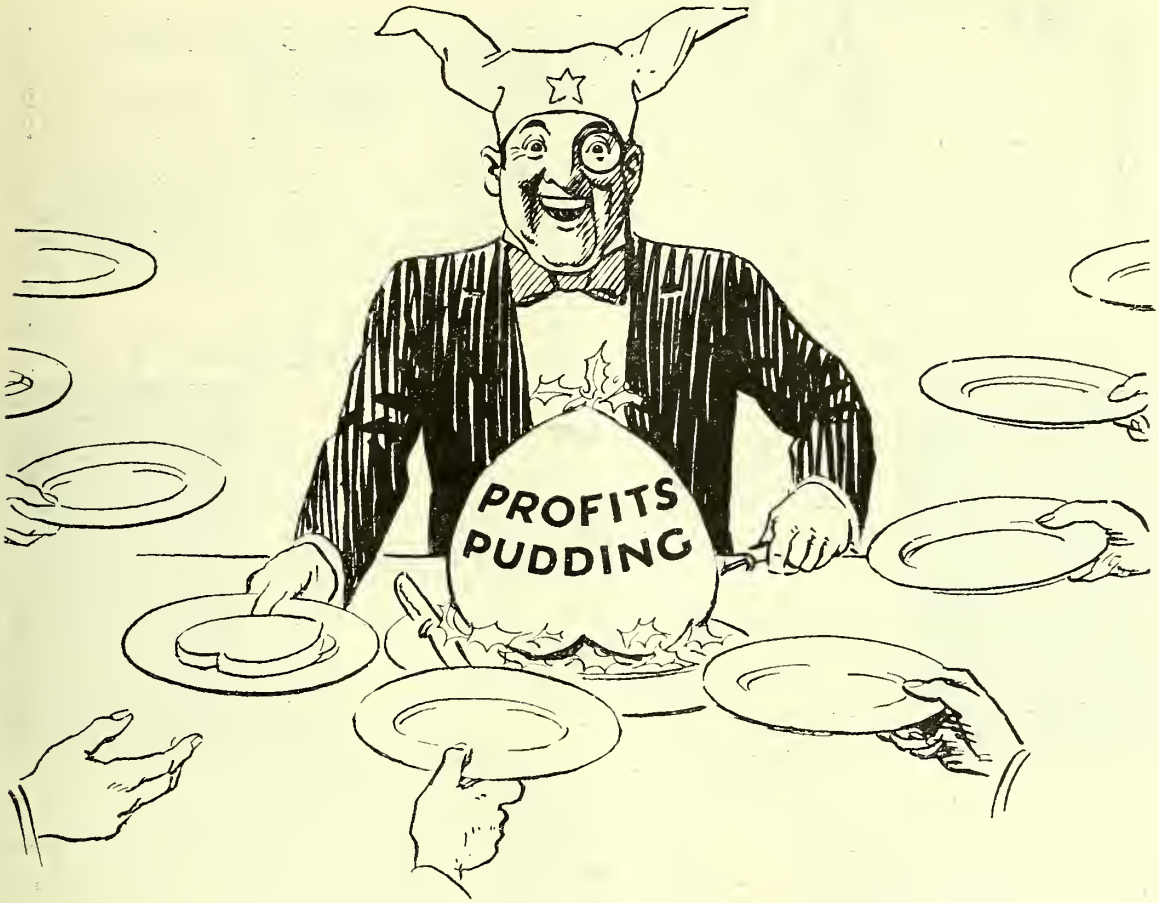
Packed in beautifully decorated sprinkler-top containers.
Write for display terms.
£5 order carriage paid.

1/6 size .. .. 12/- doz.
2/6 „ .. .. 20/- „

(P.A.T.A.)

Stocked by London Wholesale Houses.

JAMES WOOLLEY SONS & CO., LTD.
MANCHESTER



"Come, let us partake of the good things set before us."

☆ ☆ ☆ ☆ ☆

There's been another big increase in the sales of Moorland Brand Indigestion Tablets during 1931 and we thank you for your assistance in making such progress possible. It will be our constant endeavour during 1932 to justify your confidence, and we trust that our Christmas Greetings, blended with those of your other friends, will help you and yours to face with joy the year that is to come.

W. B. CARTWRIGHT LTD. RAWDON LEEDS

HEATING *under automatic control*

A TROUBLE-FREE, dependable and consistent heating service without the need for supervision is an asset to any Shop and Stock-room. Such is the service economically provided by the use of Wright's "Regulo"-controlled Gas Radiators. No attention whatever is required while heating is in progress. Over-heating is made impossible by the action of the "Regulo" control in automatically reducing gas consumption immediately the correct degree of warmth is attained, thus effecting a considerable saving in gas. Installation is simple and inexpensive, and each radiator operates independently, so that heat distribution may be general throughout the premises or localised at will.

Four types are available—the "St. David," "St. Martin" and "St. Vincent" (all "Regulo"-controlled), and the "St. Bernard" (fitted with a governor).

WRIGHT'S GAS RADIATORS

See them at the Gas Showrooms

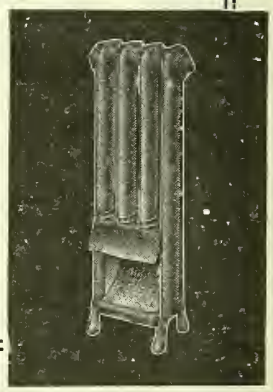
"REGULO"-CONTROLLED

JOHN WRIGHT & COMPANY

Dept. C.R.

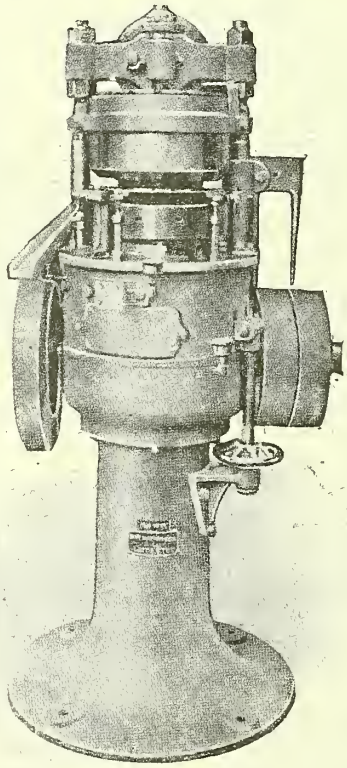
Essex Works, Aston, Birmingham

(Radiation Ltd., Proprietors)



The "St. Martin" "Regulo"-Controlled

The "St. Bernard" Governor Controlled



S. W. WILKINSON & CO.

WESTERN ROAD, LEICESTER.

Rotary Tablet Machines

These Machines are now made in 4 sizes :

12-Punch Ordinary for Tablets from $\frac{3}{8}''$ to $\frac{7}{8}''$ diameter. Output 400 per min.

20-Punch Ordinary for Tablets from $\frac{1}{4}''$ to $\frac{1}{2}''$ diameter. Output 700 per min.

12-Punch Heavy for thick Tablets and Blocks 1" diameter. Output 250 per min.

18-Punch Heavy for thick Tablets and Blocks 1" diameter. Output 400 per min.

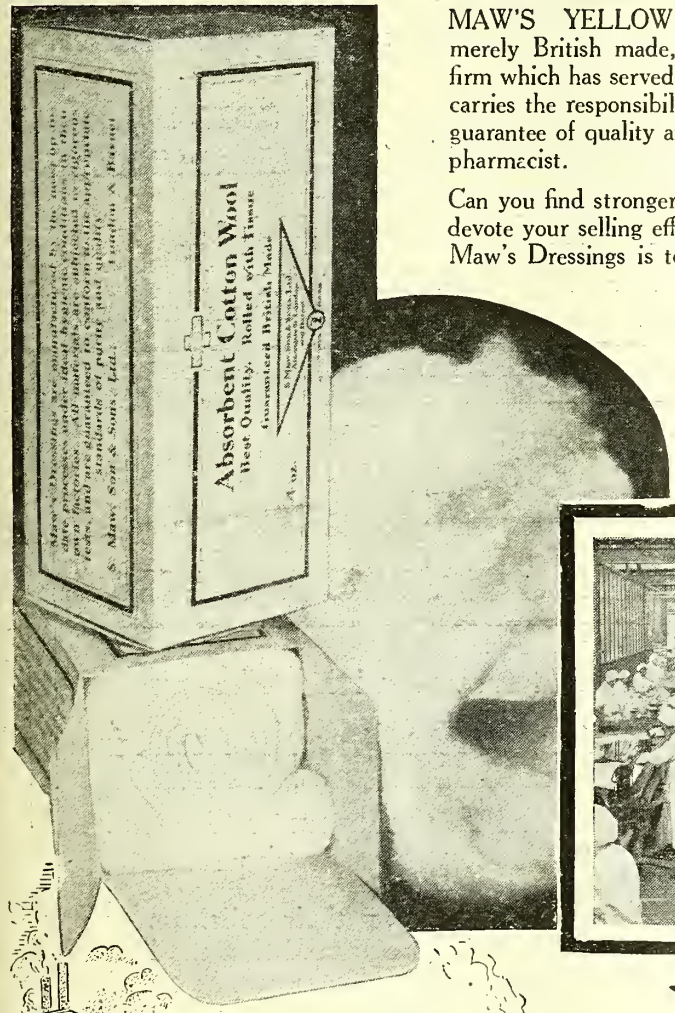
LISTS ON APPLICATION.

Single Punch Machines made in 5 sizes for Tablets from $\frac{1}{8}''$ to $1\frac{1}{2}''$ diameter, also Lozenges.

MACHINES FOR BATH SALT TABLETS

MAWS

Makers of Fine Quality Surgical Dressings



MAW'S YELLOW LABEL SURGICAL DRESSINGS—not merely British made, but made in their own model factories by a firm which has served the pharmacist well for 125 years—a firm which carries the responsibility of the actual maker, whose name is sufficient guarantee of quality and whose policy is to restrict its products to the pharmacist.

Can you find stronger reasons why you should fix your attention and devote your selling efforts to a particular make of Dressings? To sell Maw's Dressings is to protect yourself and your fellow pharmacists, to restrict outside competition and to help to ensure future prosperity. It is also to win the lasting goodwill of every purchaser—for the quality of Maw's Dressings is superlative.

Stock, Display and Sell consistently—
MAW'S DRESSINGS.

S·MAW·SON & SONS·LTD
LONDON & BARNET

TRADE MARK

Artistic "Pictorial" Barometers

(*Breveté S.G.D.G.*)

These interesting and scientific novelties consist of photogravures in colour of scenes such as Geneva, Mont Blanc, Château de Chillon, etc.

Through the medium of an applied chemical product, the water shewn in the picture changes colour in accordance with atmospheric variations—

Thus: BLUE, VIOLET, PINK *for* **FINE, VARIABLE, RAIN**

Artistic "PICTORIAL" BAROMETERS find a ready sale and the addition of a calendar makes them a selling line that will always be in great demand.

They Retail at—
1/6 TO 1/9 EACH
or 2/- each when fitted with calendar.

Wholesale Prices—
12/- DOZEN
or 14/- per dozen fitted with calendars.

SOLE AGENTS FOR THE UNITED KINGDOM—
THE GENERAL OPTICAL COMPANY
(E. T. & F. W. CORNWELL)
120 CLERKENWELL ROAD, LONDON, E.C.1
Telegrams: "Genoptico, Smith, London." Telephone No. 2962/2963 CLERKENWELL.

To the Owner of a Branded Advertised Line

A substantial firm of Manufacturers and Distributors of proprietary advertised lines desires to

PURCHASE AN ESTABLISHED BUSINESS

selling to Chemists, Hairdressers, Ironmongers or Grocers, for the purpose of adding to its group of products.

Correspondence is invited from principals or their solicitors or accountants, and in order to save time it is requested that the first letter should give an indication of the nature of the product and some details. There will be no delay in completing the purchase of a desirable business.

Please write in the first instance to—

Mr. A. McAUSLANE (Chartered Accountant) 15 WALBROOK, E.C.4

MEDWAY

CORRUGATED PAPERS

(in rolls up to 78 inches wide)

PIECES, BOARDS & BOXES

All corrugated productions are manufactured from our own British made strawpaper, produced from British raw materials only.

The Medway Corrugated Paper Co. Ltd.

London:
Blackfriars House
New Bridge St.
E.C.4.

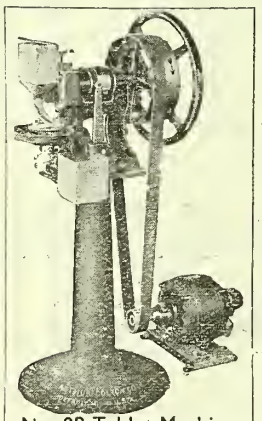
Telephone: Central 8482
Telegrams: "Corrugated Ltd, London."

Provincial:
Tovil,
Maidstone,
Kent.

Telephone: Maidstone 4168
Telegrams: "Corrugated Tovil."

Colton Pharmaceutical Machinery

PILL MACHINES
TABLET MACHINES
GELATINE COATERS
GRANULATORS
POLISHING PANS
SUPPOSITORY MOULDS
TRITURATE MACHINES
PASTE MIXERS
TUBE FILLERS
TUBE CLOSERS
CLIP FASTENERS
NICKELOID CLIPS, ETC.


No. 2B Tablet Machine

TABLET MACHINES

Colton Tablet Machines possess all the good qualities growing out of many years of experience in this field. A range is available that will produce every size of tablet from ⅛ to 3 inches diameter, in outputs varying from 100 to 1,500 per minute.

CLIPLESS CLOSURE

A new method of sealing collapsible tubes, eliminating the use of the metal clip and giving greater security to the contents with a more decorative appearance to the finished tube.

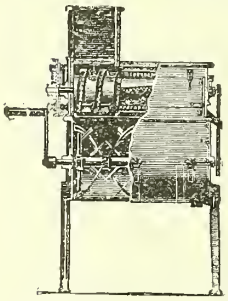
Write for copy of New Catalogue

SOLE BRITISH AGENTS

GRIFFIN AND TATLOCK, LTD.

KEMBLE STREET, KINGSWAY - - - LONDON, W.C.2

perfect blending



Gardner's "Rapid" Sifter and Mixer gives a perfect blend. The special Internal Agitator ensures accurate sifting and mixing of materials, irrespective of the diversity of their proportions; if necessary, ½oz. can be perfectly blended with hundredweights.

Write us for list of Ball Mills, Disintegrators, Millstones and Mills, Drum Sieves, Drying Machinery, etc.

GARDNERS Patent "RAPID" SIFTER & MIXER

Wm. GARDNER & Sons (Gloucester) Ltd.
Bristol Road - - - Gloucester
Tel.: Gloucester 2288 (2 lines). *'Grams: Gardner, Gloucester*
LONDON - 19 Gray's Inn Chmbrs., 20 High Holborn, W.C.1
Telephone: Chancery 7347

SALE POSTERS & TICKETS
Colored Illustrated Lists Free
DUDLEY & COMPANY Limited
451, Holloway Rd, London N.7.
City Showrooms: 65/66 FORE ST E.C.2

NURSE HARVEY'S MIXTURE

A safe, simple and reliable remedy for Children's Ailments is advertised so extensively in the daily and weekly Press as to bring mothers to the retailer without effort on his part.

The selling has been done before the mother reaches the chemist, and, having supplied her, it is only common sense to claim she will buy other family necessaries from him. Moreover, the continuous demand for it produces a quick turnover.

For Direct Terms apply to—

OSCAR SCRUTON & CO., YORK

Size of Cut-out Display 19 in. × 17 in.

AYRTON'S famous Emulsion, assisted by their equally famous display which makes sales at sight

Printed in Seven Colours

CREAM EMULSION OF COD LIVER OIL

With Hypophosphites

An inseparable, pure white Emulsion with a flavour attractive to the palate.

Prepared from finest ingredients of absolute purity and incorporating

25% or 33⅓% OF FINEST NORWEGIAN COD LIVER OIL

Packed in white flint, machine-made, wide-mouth Emulsion bottles, and offered in eight styles, all of which are available for buyer's "own name" on 3 dozen or larger quantities.

AN ABUNDANCE OF SHOW MATERIAL

	3 oz.	4 oz.	6 oz.	8 oz.	12 oz.	16 oz.	20 oz.	24 oz.	32 oz.
25%									
Per dozen ...	6/3	6/9	8/3	9/6	12/9	15/3	17/9	21/-	29/6
Gross lots ...	6/-	6/6	8/-	9/3	12/6	14/9	17/3	20/6	29/-
33⅓%									
Per dozen ...	6/6	7/-	8/9	10/3	13/9	16/9	20/-	23/-	32/6
Gross lots ...	6/3	6/9	8/6	10/-	13/6	16/3	19/6	22/6	32/-
33⅓% Cartoned FLEET BRAND	—	8/6	10/-	12/-	15/6	18/-	—	—	—

Sample of any, sent on request.

AYRTONS :: :: LIVERPOOL, ENG.

ANOTHER
IMPROVEMENT

Each tin of

Calvert's
CARBOLIC
Tooth Powder

is now fitted with a new

ANTI-SPILLING DISC

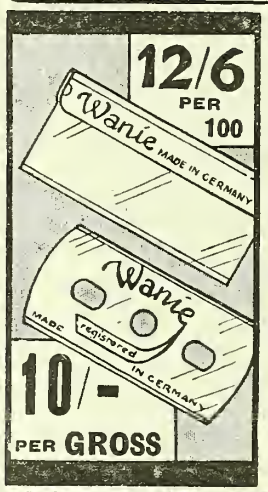
This disc slightly compresses but does not reduce the quantity of Tooth Powder packed in every tin.

F. C. Calvert & Co., Ltd.
Manchester.

Now Sold in 2 types

WANIE

the Blade that is USED BY MILLIONS!



In response to a growing demand from all parts of the Globe, the makers of Wanie are now producing a new type of Blade—to fit Single-sided Holders. This new Blade has all the characteristics that made the original WANIE (Three Hole Pattern) famous throughout the World. A long-lasting edge that gives smooth, soothing shaves.

Send for sample to Dept. C.D.

S. KALISKY (Aldgate), LTD.
146 THEOBALD'S ROAD, W.C.1

Northern Distributors:
S. KALISKY (Aldgate), LTD.
16 Withy Grove, Manchester

Irish Free State Agents:
Messrs. W. A. Freedman & Co.
LIMITED
20-21 Merchants Quay, Dublin

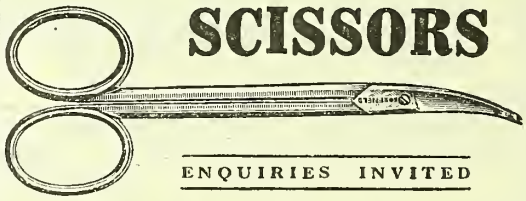
A NEW SHEFFIELD PENNY BLADE

In attractive Display Folding Boxes.

Send Postcard for Free Trial Sample and Profitable Terms, to :—

DOMINION STEEL CORPORATION LTD.
Fleet Works, Queen's Road, Sheffield.

SCISSORS



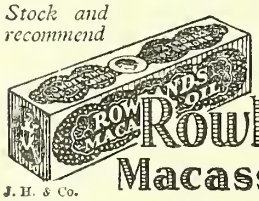
ENQUIRIES INVITED

GILL, HERBERT & CO., Ltd.
CUTLERY MANUFACTURERS,
Wheeldon Street, SHEFFIELD

Selling Suggestions

Rowland's Macassar Oil nourishes and revitalises the roots of greying, thinning hair and soon restores it to youthful colour and growth.

Stock and recommend



Of all Wholesalers, to retail at 3/6, 7/- and 10/6.

Rowland's Macassar Oil

J. H. & Co.

A. ROWLAND & SONS, Ltd., 22 Laystall St., Rosebery Avenue, London, E.C.1

G. B. KENT & SONS, LTD.

Are known the World over as the Largest Manufacturers of

BEST BRITISH BRUSHES

Please write for full Particulars to:
75 FARRINGDON ROAD, E.C.1.

The inconvenience caused to Sheffield, Leeds and district Chemists by the fraudulent use of the name "AMAMI" is now at an end.

The police have recently charged Victor Williams with obtaining money by false pretences, for which offence he has been convicted and sentenced to a term of imprisonment. This man has been selling goods purporting to be made by "AMAMI."

Prichard & Constance (Manufacturing) Ltd., sole makers of the world-famous "AMAMI" Shampoos, assure their customers that every possible precaution will be taken to obviate any fraudulent misrepresentation of their name.

Prichard & Constance (Manufacturing) Ltd., 11, Broad St., W.C.2

ANATOMICAL and other
PLASTIC MODELS
IN STRIKINGLY ARRESTING TYPES
LOUIS M. MEUSEL
SONNEBERG (THUR.).

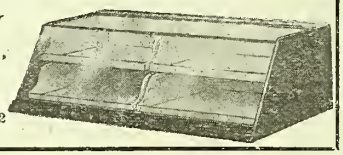
IONIZED IODINE
(MOLSON BRAND)
Obtainable from the usual wholesalers or the makers
MOLSON IONIZED IODINE CO. Ltd.
34 C, GABRIEL'S HILL, MAIDSTONE

PRINTING.—We issue complete and comprehensive Lists and Sample Sets of Labels, Stationery and Advertising Material. Full of ideas, well executed and competitive in price.
A Post Card will bring them.
ELLAMS & CO., *Pharmaceutical Printers,*
33 Hanover Street, LIVERPOOL.

BLYTON, ASTLEY & CO. LTD.
Eagle Laboratories, Lr. Broughton, Manchester,
FOR
LOZENGES, PASTILLES, "MENTHELLS," and Quick-Selling WINTER SPECIALITIES.

CHEMISTS' FITTINGS
OF EVERY DESCRIPTION.
NEW AND SECONDHAND.
F. MAUND & E. BERG (SHOWCASES) LTD., 175/9 and 336 OLD STREET, LONDON, E.C.1

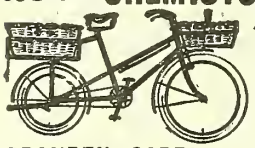
SHOPFITTINGS
W. G. FARLEY
39 NIBTHWAITE ROAD, HARROW
'Phone: Harrow 2458
Works:
29a Durant Street, London, E.2
'Phone: Bishopsgate 2729



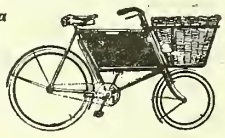
ENLARGED POSTCARD ENLARGEMENT
— ORDERS —
Are BOUND to come your way—if you Try Our Service.
We make a speciality of Postcard Enlargements at this time of the year—and on receipt of postcard will send full details of our service
MUNNS BROS. LTD. 45/57 SUMMER ROW, BIRMINGHAM

A TEXTBOOK OF PHARMACOGNOSY
By J. W. COOPER, Ph.C., and T. C. DENSTON, Ph.C.
A simplified, effective and modernised course for students studying for the Chemist and Druggist Qualifying Examination; with specially drawn line illustrations of 150 drugs. *Of a Bookseller, or* 10/6 net
PITMAN'S, Parker Street, Kingsway, W.C.2

£8-10 CHEMISTS' CONVEYERS £6-19-9



A New Era in Road Transport
Single Basket Carrier
£4 19 9



GRANDEX CARRIERS, ALMA ROAD, ST. ALBANS

MANCHESTER TUTORIAL COLLEGE
327 OXFORD ROAD, MANCHESTER
J. E. GRIME, B.A., B.D. } Directors of Studies.
V. J. SANSOM, B.Sc. }
REVISION COURSES for PRELIMINARY SCIENTIFIC EXAM. start OCTOBER, JANUARY, APRIL & JULY.
FULL COURSES for MATRIC. and PHARM. PRELIM.

TATCHO Sample Size 6D.
THE HAIR RESTORER
6 Bottles in Case for Counter Display, 4/- PER DOZ.
PROMOTES, PRODUCES, BEAUTIFIES THE HAIR
1/3 size .. 12/6 per doz.
2/9 size .. 26/- per doz.
TATCHO Laboratories, 5 Great Queen Street, London, W.C.2

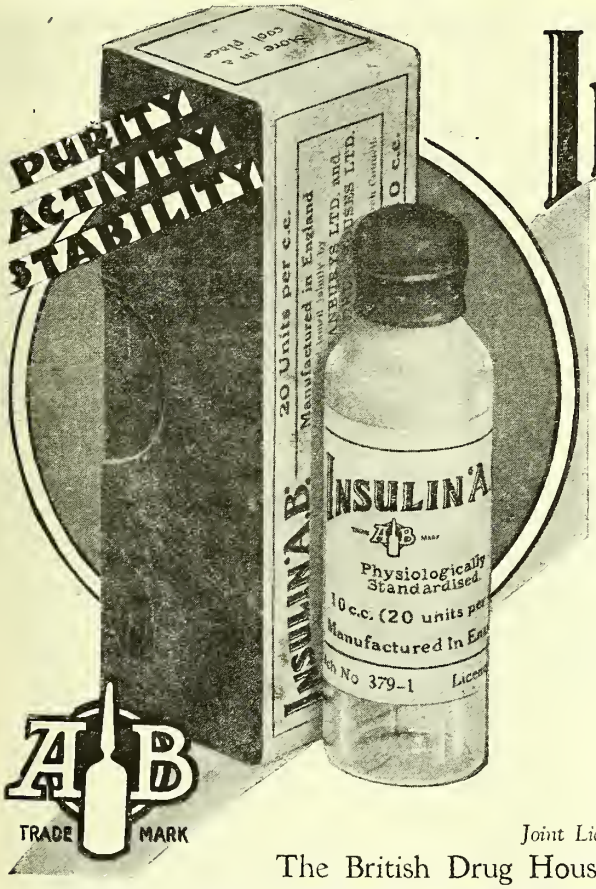
BALLOONS PRINTED with your ADVERTISEMENT or BLOCK
COMBS, PRESENTS, LEATHER GOODS, NOVELTIES, ETC.
Deal from the oldest established firm in the Trade:
STANBERTS, LTD., STANBERT HOUSE, (Dept. "P"), 377 KENNINGTON ROAD, S.E.11 *Reliance* 1762.
STOCK "JAZZO" THE MAGIC DANCE FLOOR POLISH

SHADEINE
FOR TINTING GREY HAIR
This popular article is largely advertised and stocked by all Wholesale Houses.
Trial size 8 fl. per doz. 6/-
1/4 size, per doz. 12/-
2/6 size, per doz. 24/-
5/9 size, per doz. 36/-
The SHADEINE CO., 58 Westbourne Grove, London, W.2

DOCTOR'S ADHESIVE PLASTERS with Zincoxide THAT DO STICK!
Ask for Price List and Compare
KAYDOR LTD., 30 Howland St., London, W.1
Proprietors of MORFI *Rubber Products*

RALEIGH
—the Carrier Cycle that Delivers the Goods
Now only £7. List from
The Raleigh Cycle Co., Ltd., Nottingham

Cachet CLOSING and FILLING **machines**
3/6 to 32/6
to suit all Dispensing Requirements.
WRITE FOR ILLUSTRATED LIST.
THOS. CHRISTY & CO., 4-12, Old Swan Lane, LONDON, E.C.4.



INSULIN 'A.B.'

The world-wide supremacy of Insulin 'A.B.' is due to its unequivocal purity no less than to its well-known potency and stability under all conditions.

Insulin 'A.B.' contains the minute quantity of phenolic preservative originally recommended by the Medical Research Council and still considered necessary by bacteriologists (*Lancet* Sept. 12, 1931, pp. 582-584) as a complete safeguard against the development of bacteria that may be accidentally introduced during self-administration.

Supplied in three strengths:

20 units per c.c. Packed in bottles containing:
5 c.c. (100 units or 10 doses) **2/-** each
10 c.c. (200 „ 20 „) **4/-** „
25 c.c. (500 „ 50 „) **10/-** „

40 units per c.c. Packed in bottles containing:
5 c.c. (200 units or 20 doses) **4/-** each

80 units per c.c. Packed in bottles containing:
5 c.c. (400 units) **8/-** each

The above prices are subject to the usual discount.

Joint Licencees and Manufacturers:
The British Drug Houses Ltd. Allen & Hanburys Ltd.

Look for this Trade Mark.

NOVEL! PROFITABLE!
AND SURE OF A READY DEMAND

The "Ideal" **Wave Preserver** is a new profitable line for the Chemist Trade. It is an "extra" line that in no way steals sales from existing profitable goods stocked by you. The success of the "Ideal" Wave Preserver is assured, for its strong novelty appeal will awake an instant response.

Mounted two dozen on attractive "Head" Showcard
16/11 per gross
Packed in single envelopes
18/- per gross
On orders of 5 gross and over in single packing your name and address overprinted FREE.

"Ideal" Wave Preservers are obtainable from all Wholesale Houses.

M. CRISCUOLO & CO. LTD.
19 Cross Street, Hatton Garden, London, E.C.1.
'Phone: Holborn 5205 and 5206.

The "Perfection" Cap Shape Hair Net is another great seller. Well advertised and justly popular it will prove extremely profitable for you to stock. Retailing in special patent wallets at 3 for **1/-**, or separately **4½d.** each. White and Grey double price. Stock box indexed in shades.

THE MUL-KOH PEROXIDE TOOTHPASTE
(BRITISH)

A first-class dentifrice from the Medical and popular point of view.

It is thoroughly germicidal.
It imparts a dazzling whiteness to the teeth.
It leaves a pleasant taste in the mouth.
It is POPULAR with CHILDREN.

Large size handsome tubes — attractively displayed in boxes of one dozen tubes, each in carton.

Price **39/-** per gross.

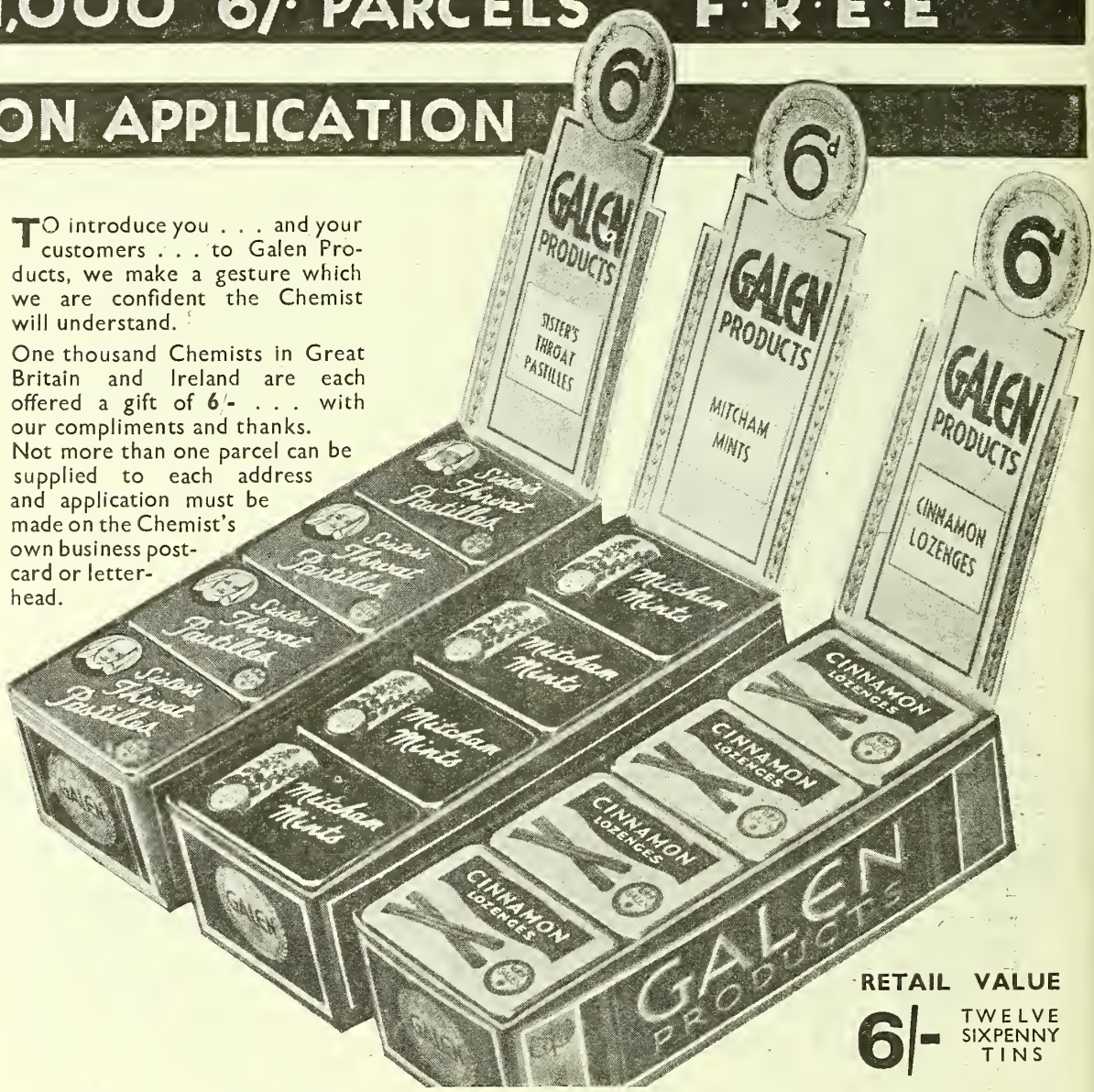
From Wholesale Houses or direct from
THE IMPEX COMPANY
60/61 Chiswell Street, London, E.C.1
'Phone: Metropolitan 3050.

1,000 6/- PARCELS F·R·E·E

ON APPLICATION

TO introduce you . . . and your customers . . . to Galen Products, we make a gesture which we are confident the Chemist will understand.

One thousand Chemists in Great Britain and Ireland are each offered a gift of 6/- . . . with our compliments and thanks. Not more than one parcel can be supplied to each address and application must be made on the Chemist's own business post-card or letter-head.



RETAIL VALUE
6/- TWELVE SIXPENNY TINS

PLACE these top-layer display boxes in a prominent position and Winter will sell them for you.

Galen purity is unquestioned. Galen value is high amongst the best . . . and a good public demand is assured once you introduce these really excellent pastilles and lozenges to your customers.

So write on your business letter-head and merely say that you are interested in our free offer.

DO IT NOW.

FINE SELLING WINTER LINES. INTRODUCE THEM TO YOUR CUSTOMERS WITHOUT ANY OUTLAY ON YOUR PART

GALEN PRODUCTS

REGD TRADE MARK

THE GALEN PRODUCTS CO., LTD., STOCKPORT

G.P.3

Discovered

Thousands of new sufferers from Asthma and Catarrh have discovered the wonderful efficacies of

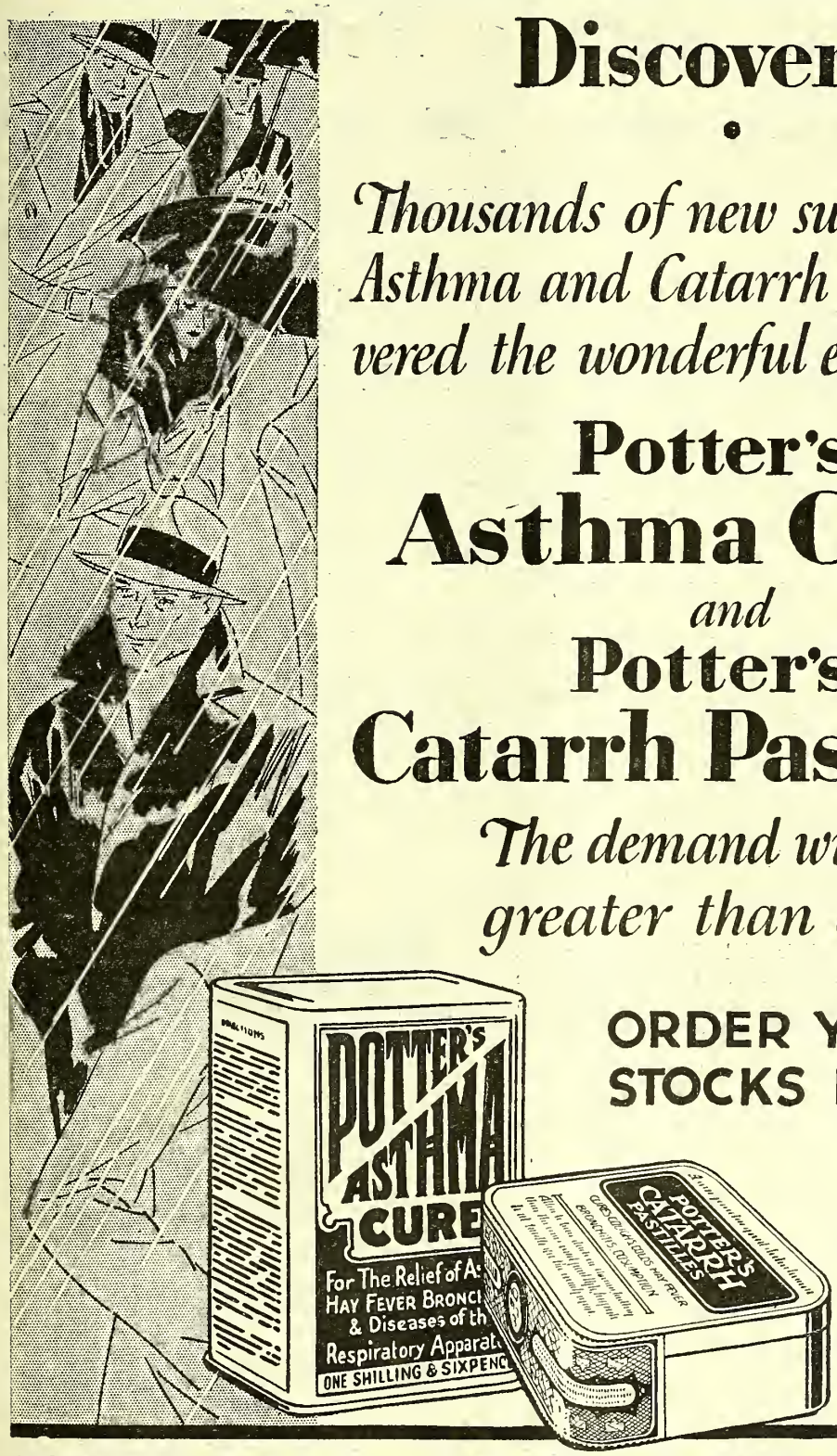
Potter's Asthma Cure

and

Potter's Catarrh Pastilles

The demand will be greater than ever

ORDER YOUR STOCKS NOW

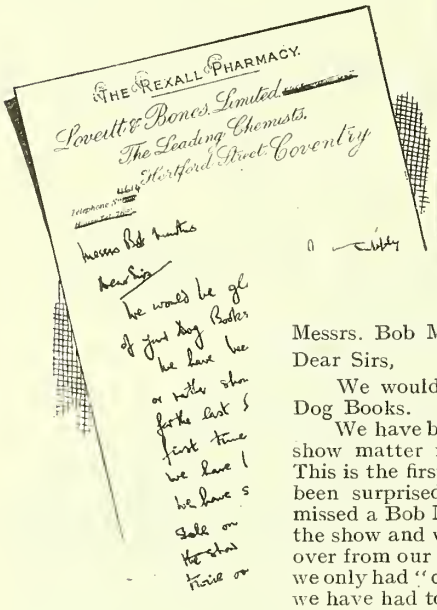


POTTER'S ASTHMA CURE
RETAIL
1/6 P.A.T.A. 14/- doz

POTTER'S CATARRH PASTILLES
RETAIL
1/3 P.A.T.A. 11/- doz

POTTER & CLARKE LIMITED. *Drug Merchants, Manufacturing Chemists.*
60, 62, 64, ARTILLERY LANE, E.1. *'Phone Bishopsgate 4761-5 lines. 'Grams-Horehound. 'phone London (2words)*
and **24, LUNA STREET, GREAT ANCOATS, MANCHESTER.** *'Phone Manchester City 6048. 'Grams-Horehound Manchester*

¶ Read what a Bob Martin display did for a Coventry Pharmacy



—proof, surely, that you are losing sales if you are not displaying Bob Martin preparations in your window.

Loveitt & Bones Limited,
The Leading Chemists,
Hertford Street, Coventry.

Messrs. Bob Martin Ltd.,

Dear Sirs,

We would be glad of a further supply of your Dog Books.

We have been showing your preparations or rather show matter in our window for the last fortnight. This is the first time we have done this and we have been surprised at the results. We have scarcely missed a Bob Martin sale on any day since putting in the show and we had to order two or three lines twice over from our wholesalers last week. Two weeks ago we only had "condition powders" in stock—since then we have had to increase our stock to about eight lines of yours.—Yours faithfully,

pp. Loveitt & Bones Limited,
A. D. PENNY.

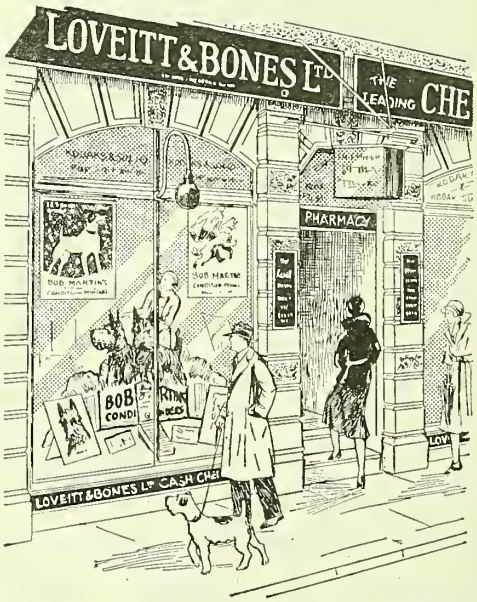
THIS letter is characteristic of the big sales increases experienced by Pharmacists, in all parts of the country, who are displaying Bob Martin preparations in their windows. Bob Martin displays can do the same for **you.**

The Bob Martin Winter Advertising campaign is the largest ever placed in the history of dog medicine advertising. In one month **alone** over ninety-two million **92,000,000)** impressions of Bob Martin advertisements were printed and circulated.

To use the Bob Martin display material issued to support this huge campaign is to make sure of attracting your full share of the business, which is increasing everywhere. If your own sales are not steadily growing dog owners in your district are buying their Bob Martin preparations elsewhere.

Consistent users of Bob Martin preparations are ready to buy **now**—a Bob Martin display in your window will remind them that they need go no further than your Pharmacy.

Here is a source of steadily increasing profit for you . . . can you afford to neglect it?



BOB MARTIN LTD., *Dog Food and Medicine Manufacturers,* SOUTHPORT, Eng.

TRADE MARK

THE Bismuth Carbonate suitable for ALL dispensing purposes

TRADE MARK **'WELLCOME'** BRAND

Bismuth Carbonate

(1) Fine white powder
(2) Free from grittiness
(3) Uniform in lightness
(4) Constant in volume per unit of weight
(5) Equally suitable for powders, cachets, mixtures and ointments
(6) Better than B.P.

In 4 oz., 8 oz., 16 oz., 4 lb. and 7 lb. cartons. For prices of this and other Bismuth Salts issued under the 'Wellcome' Brand, see price list of 'Wellcome' Brand Chemicals and Galenicals

BURROUGHS WELLCOME & CO.
LONDON

G 1636 COPYRIGHT

THIS WARRICK DISPLAY MAKES PASTILLE SALES EASY

Warrick's for Pastilles that bring repeat Sales!

THREE of the most popular selling Winter Pastilles !

CHERRY COUGH.

GLYCERINE, LEMON & HONEY.

GLYCERINE & BLACK CURRANT

'CRYSTADES'

These are sold in bulk and with every 7 lbs. ordered we include a *FREE* Show Jar and a supply of 2 oz. cartons. With all orders for 14 lbs., the attractive sales-compelling-window-display-screen shown above is supplied free. The size of the display is 30" x 18". Order a supply of these Pastilles from Warrick's now and secure this display material which is sure to increase sales. Please send for samples.

WARRICK BROTHERS LTD

The Reliable House with more than a Century's Experience.

Nile Street, City Road, London, N.1.

Telephone : Clerkenwell 2452 (two lines). Telegrams : Warrickers, Nordo-London.

THE CHEMIST AND DRUGGIST

A Weekly Journal of Pharmacy, the Drug, Chemical and Allied Trades

The official organ of The Pharmaceutical Society of Ireland, The Chemists' and Druggists' Society of Ireland, and of other Chemists' Societies in Overseas Dominions

PUBLISHED AT

28 ESSEX STREET, STRAND, LONDON, W.C.2

Telegrams: "Chemicus, Estrand, London" *Telephone: Central 6565 (8 lines)*

BRANCH OFFICES

4 CANNON STREET, MANCHESTER (TEL.: BLACKFRIARS 3052)
19 WATERLOO STREET, GLASGOW (TEL.: CENTRAL 2329)
54 FOSTER'S BUILDINGS, HIGH STREET, SHEFFIELD (TEL.: 22438)
93 QUEEN STREET, MELBOURNE, AUSTRALIA

VOL. 115. NO. 2706 DECEMBER 19, 1931

CONTENTS

	PAGE
Association Meetings	724
Births	726
Business Changes	721
C. & D. Commercial Compendium	739
Christmas Holidays	721
Correspondence :—	
Letters	737
Subscribers' Symposium	738
Legal Queries	738
Miscellaneous Inquiries	738
Company News	720
Corner for Students	732
Deaths	726
Editorial Articles :—	
A Good Omen	729
Another Aspect of Gift Schemes	729
Festivities	723
Gazette	718
General Medical Council	719
Irish Notes	718
Information Department	728
Kiosk?	725
News of the Week	717
Personalities	726
Pharmacopœia Commission	730
Pharmaceutical Society of Great Britain :—	
Edinburgh Evening Meeting	731
Pharmaceutical Society of Northern Ireland :—	
Council Meeting	722
Retrospect	738
Scottish Notes	718
Toilet Goods in the Argentine	725
Topical Reflections	719
Trade Marks	727
Trade Notes	727
Trade Report	735
Westminster Wisdom	718

News of the Week

Liverpool

At Liverpool Police Court, on December 10, Abdul Hamid, a pedlar, was sentenced to two months' hard labour for being in unauthorised possession of Indian hemp (*C. & D.*, December 12, p. 696).

Mr. John H. Robinson has been paying a visit to some old friends in the Cornish Riviera lately. A few days away from business spent in that part of England is the next best, in his estimation, to his beloved Lake District.

Mr. H. Cundall (D. & W. Gibbs, Ltd.) recently addressed a meeting of the Liverpool Display Association. Mr. Cundall mentioned that Messrs. Gibbs sent out to chemists 25,000 window displays per annum, and gave practical hints on the principles and practice of the art of display.

Manchester

Much sympathy is felt with the widow and family of Mr. W. H. Cockton, Ph.C., whose death at an early age is announced in this issue.

We have received from Mr R. B Maskell the following note on the meeting recently arranged by the junior section of the Manchester, Salford and District Branch of the Pharmaceutical Society and reported in our issue of December 12, p. 701:—

The meeting terminated on an enthusiastic note. Mr. Arthur Mortimer, in a rousing speech, urged the local Branch to take action immediately. After congratulating the junior section for their courage and determination in arranging such an important and vital meeting, he said that Manchester had started the ball rolling, and urged that British pharmacists must not let their pharmacies drift into the type of American general store, but let them be pharmacies. To do this unity was required; there were, and will be, many difficulties in the way, and it will only be with a united front that they will obtain their objective and overcome these difficulties. The solution, our correspondent adds, lies chiefly with the younger generation of pharmacists. Manchester has sounded the clarion call; it remains now for the rest of the country to follow suit, put a stop to these abuses and regain the business which has been slipping away during these last twelve years. If we desire business, we must go out after it.

Sheffield

Mr. H. I. Eardley, son of the late Mr. J. F. Eardley, Ph.C., has been elected president of the Yorkshire Union of Golf Clubs.

Chemists have now received the balance of £476 deducted from their Insurance dispensing accounts during the first six months of the year.

Most of the leading chemists propose to close on Christmas Day, and to open part of the day on Boxing Day, giving the usual holiday service.

Miscellaneous

THEFT OF CAMERAS.—A window at the pharmacy of Mr. G. Parkhouse, chemist and druggist, Beckenham, Kent, was smashed recently and two cameras were stolen.

FIRE.—An outbreak of fire occurred recently at the premises of Mr. W. Y. Orton, chemist and druggist, Wingate, co. Durham. Considerable damage was caused to the stock and fittings.

IN THE COURTS.—At Burnley, on December 9, Francis Hopper, grocer, Church Street, was summoned for having sold powdered cinnamon which was found to

contain 13.4 per cent. of sand. The defendant produced a warranty, and the Bench dismissed the case.—At Aldershot Police Court, on December 10, Frederick T. E. Evans, Northumberland Place, London, W., was bound over on a charge of obtaining prescriptions for cocaine without disclosing the fact that he was already under treatment.

THEFTS BY MANAGER.—At Southport Police Court, on December 10, Sydney Heywood, chemist and druggist, Derby Road, was charged with stealing goods and cash valued at £4, the property of Rushtons (Chemists), Ltd. He was further charged with stealing drugs and other goods valued at £15, the property of Rushtons, Ltd., and drugs and other articles valued at £51, the property of Mr. W. E. Prescott, chemist and druggist. The accused, who was represented by Mr. W. H. Bellis, pleaded "Guilty" to all the charges. Evidence was given to the effect that the accused left Mr. Prescott's employ in 1927, and during the years 1929-30 regular thefts of stock and money from the shop had taken place. When the accused left Mr. Prescott's employ he handed over the keys, but he must have armed himself with keys that would admit him to the shop. The same thing applied at Messrs. Rushton's shop. Mr. Bellis said it was one of the most distressing cases with which he had ever been connected. It was a case of a man of education and family who, from sheer adversity, had sunk to the depths of theft. The accused was sentenced to three months' imprisonment on each charge, the sentences to run concurrently.

Irish Notes

Pharmaceutical Society of Ireland

The latest dates for making application for January examinations are:—Preliminary, Thursday, December 24; Registered Druggist, Tuesday, December 29; Licence, Monday, January 4; Pharmaceutical Assistant, Thursday, January 14.

Brevities

At the recent monthly meeting of Dungannon Urban Council a vote of sympathy with the relatives of the late Mr. R. E Marshall, Ph.C., was passed.

At the annual meeting of the Waterford Chamber of Commerce, on December 14, Mr. Leopold H. Grubb, Ph.C., who has held the position of secretary for eight years, was given the additional appointment of vice-president.

The death of Mr. W. J. Jones, L.P.S.I., Waterford, was the subject of an inquest held on December 14. Evidence was given to the effect that Mr. Jones, who had been depressed of late, was found in a dying condition in his bedroom on December 12, and a medical witness stated that death was due to poisoning by hydrocyanic acid. The jury returned a verdict in accordance with the evidence.

Scottish Notes

Brevities

Mr. Alastair McCrae, chemist and druggist, has been elected vice-president of the Girvan Merchants' Association.

Mr. Thomas Harley, chemist and druggist, who is moderator of the High Constables of Perth, presided over the recent annual dinner of that body.

The Dundee School of Pharmacy, Former Students' Association, reunion supper and dance (8 p.m. until 2 a.m.) will be held at the Central Hotel, on December 25. All former students are invited, and should communicate with the secretary, Miss E. Fyfe, 140 Albert Street, Dundee.

On December 8, in the Church of the Holy Rood, Carnoustie, the Most Rev. W. J. F. Robberds (Primus) dedicated two windows in memory of the late Mr. William Duncan, Ph.C., late principal of the Royal Dispensary and School of Pharmacy, Edinburgh, and of his parents. The windows, which are of beautiful design and exquisite colouring, are the work of Miss Isobel Goudie, Edinburgh. The late Mr. Duncan took a great interest in the Church of the Holy Rood, of which his mother was one of the original members.

A correspondent writes:—"Hawking of chemists' goods is assuming alarming proportions in industrial areas of Scotland; and not infrequently chemists have been told by customers that the pedlar of these goods use the names of chemists as a lever, insinuating that they are selling on behalf of the chemist. The difficulty is to obtain direct evidence to bring the offenders to book. Since a pedlar's licence is necessary for house-to-house selling it is suggested that local authorities should be appealed to for the restriction of pedlar's licences to proved necessitous cases."

Westminster Wisdom

Notes on Parliamentary Matters

COUPON GIFT SYSTEM

Mr. Train asked the President of the Board of Trade on December 10 whether he will introduce legislation to put a stop to the coupon gift system which is being adopted by traders in Glasgow and other parts of the country.

Mr. Hore-Belisha: No undertaking can be given as to the introduction of legislation, but the subject is under observation.

SHOPS ACTS

Mr. Goldie asked the Home Secretary on December 10 whether he is aware that the sale of safety-razor blades at chemists' shops in Central London is prohibited on Saturday afternoons whilst the sale of tooth-brushes is permitted; and whether he will introduce amending legislation in the interests of retail shopkeepers and the public generally.

Sir H. Samuel: Shops are required by the Shops Act, 1912, to close for a weekly half-holiday, but an exemption is provided for the sale of medicines and medical and surgical appliances, and I understand that, though there has been no legal decision, the chemists in Central London treat tooth-brushes as covered by this exemption. Wherever there is legislation dealing with such a matter as a weekly half-holiday for shops, some special exceptions must be permitted, and wherever there are exceptions there must be border-line cases. Any amending legislation would involve either the surrender of the half-holiday or else border-line cases of a different character but presenting similar anomalies.

Gazette

Partnerships Dissolved

HARTLEY, J., and DYE, R. H., 121 Euston Road, London, chemists and druggists, under the style of Dye & Hartley.

MARSH, J., MARSH, G., and BROOKS, W., 170 Bridgeman Street, Bolton, manufacturing chemists, under the title of Marsh, Brooks & Co.

Bankruptcy Acts

RECEIVING ORDERS AND ADJUDICATIONS

KARSA, C. M., 4 Alders Green, High Lane, near Stockport, and 7 Bridge Street, Manchester, under the style of the County Drug Co.

SHARMAN, E. J., 91 Midland Road, Peterborough, drug-store proprietor.

General Medical Council

(Concluded from the C. & D., December 12, p. 699.)

The case of Mr. James Lionel Bocarro, 59 Creek Road, Deptford, L.A.H.Dubl., F.R.C.S.Irel., who was charged with canvassing and with the issue of improper certificates, was taken on November 25 and 26. Certain of the charges were found to be proved, and it was decided that the respondent's name be erased from the Register.

The other cases taken before the Council rose on November 26 were those of Mr. Mark Joseph Bradlaw, M.B., B.Ch., 153 Mellison Road, S.W.17, charged with unprofessional conduct in connection with a candidate for dental benefit; and Mrs. Nesta Helen Wells, M.B., Ch.B., 153 High Street, Chorlton-on-Medlock, the summons against whom contained particulars of the publication of an article on her work (with portrait) in the lay Press. Both the respondents were discharged with a caution.

The two final days of the session resulted in two warnings and two erasures. The doctors who were warned were Mr. Alan Gray, M.B., B.S., 65 Moston Lane, Blachley, Manchester, and Mr. Thomas Robert Sandeman, M.B., Ch.B., The Howff, Kincardine-on-Forth, both of whom had been convicted of drunkenness while motoring The doctors whose names were erased were Mr. Horatio Walter James Steen, M.B., Ch.B., 62 Warwick Square, S.W.1, convicted of theft and false pretences, and Mr. Thomas Francis Roche, L.R.C.P. Edin., etc., 1 Fairfield West, Kingston-on-Thames, against whom five charges of canvassing were proved.

Pharmacopœia Committee

The report of the Pharmacopœia Committee stated that 787 copies of the B.P. have been sold between May 29 and November 21, and that the total number sold to date is 63,658. The following reference was made to the forthcoming issue:—

" . . . Some of the new material which has been introduced requires further experimental verification and much has been done already, but there still remains an appreciable volume of experimental work to be completed. In view of the necessity for the early production of the Pharmacopœia this work must continue while the book is in the stage of proof. . . . Reports have been received from the Indian Committee on Pharmacopœia Revision and from the Pharmacy Board of New Zealand, and the Commission have given very careful consideration to the recommendations conveyed. The Commission have received communications from the authorities responsible for the Austrian, Danish and Swiss Pharmacopœias, and an interchange of information on pharmacopœial subjects has been established. The Commission have received from the Malaria Commission of the League of Nations copies of reports relating to mixtures of cinchona alkaloids. Careful consideration has been given to these in relation to the proposal that a standardised mixture of cinchona alkaloids should be included in the Pharmacopœia. . . . The Subcommittee [on Ergot] are able to recommend a chemical method of standardising ergot and its preparations which represents a distinct advance on previously reported methods."

Topical Reflections

By Xrayser

Words in Season

were uttered by Mr. Mallinson when taking part in the discussion on Mr. Perrins's address (*C. & D.*, December 12, p. 709); and I am glad to know that one person of importance was prompt to take advantage of the opportunity to protest against the manner in which the Dangerous Drugs Regulations are allowed to discriminate against chemists and druggists. Laughter is reported to have greeted Mr. Neathercoat's allusion to " the extremely discreet and adroit way in which Mr. Perrins had declined to be drawn into a discussion of . . . the technical and pharmaceutical disabilities which he was invited to explore by Mr. Mallinson; " but such excitation of the risible faculty should not be regarded as indicating that there is not a deep-seated feeling of resentment among us because of the unreasonable extent to which we may be penalised for a mere oversight. I commend your report of Mr. Mallinson's remarks to everyone legitimately engaged in the drug trade.

Mr. Perrins

stated in the course of his address that wholesalers in this country respect the law and wholeheartedly support the Government in its control, while those who distribute the drugs to the consumer, i.e., the retailers and dispensers, are professional men and women of " a high standard of probity." As a testimonial we may regard this as excellent, yet it appears that in countries where the " authorised persons " cannot always be relied upon not to engage in illicit traffic in narcotic drugs the conditions under which authorisation is granted are much less onerous than those prevailing here. And no adequate reason was shown for the manner in which the inhabitants of this admittedly law-abiding country—doctors, patients and chemists—are unfairly penalised because of the shortcomings of persons resident abroad.

Two Important Subjects

have recently been brought to the attention of pharmacists in the Manchester district, and it is all to the good that they should receive the still wider publicity that your reports of the meetings provide. Mr. E. C. Cripps (*C. & D.*, December 12, p. 701) explained the position of maternity and child welfare centres in a fair and restrained manner, showing how the centres operate, what useful service they render, and how the facilities they provide are sometimes abused. His suggestions for mitigating or abolishing such abuse seem practical and reasonable, and chemists who feel aggrieved at the way in which the operations of welfare centres affect their business should not overlook them. Not the least pertinent point in Mr. Cripps's observations was the warning that big profits are not to be looked for where business may be taken over from welfare centres; this I regard as the crux of the whole concern. Mr. H. E. Monk (p. 702) dealt with a subject no less interesting when he discoursed upon Food and Drugs Act problems affecting chemists and druggists. I have found his address replete with thought-compelling information, presented in such a manner as to enable us to realise how differently public analysts may interpret facts compared with the tradesmen who sell the goods it becomes necessary to examine as a public safeguard. It is always useful to be able to see things from the other man's point of view, and many of us might be less disposed to cavil at things that happen if we took the trouble to ascertain why they happen. For this reason, if for no other, those of your readers who have not yet read the report of Mr. Monk's address will be well advised to do so.

New Companies
and Company News

P.C. means Private Company and R.O. Registered Office.

LAMUR, LTD. (P.C.).—Capital £100. Objects: To carry on the business of chemists, druggists, etc. R.O.: 58 Fenchurch Street, E.C.3.

F. A. WOOLMER, LTD. (P.C.). — Capital £500 Objects: To carry on the business of pharmaceutical, consulting, analytical, manufacturing, wholesale and retail chemists, etc.

A. CONNELL & CO., LTD. (P.C.).—Capital £3,000. Objects: To carry on the business of export, import and general merchants, brokers and manufacturers, etc. R.O.: Melba House, Wenlock Road, City Road, N.

ETON PHARMACY, LTD. (P.C.). — Capital £300. Objects: To carry on the business of dealers in chemicals, gases, drugs, medicines, plaster of Paris, gypsum, disinfectants, toilette requisites, etc. R.O.: 9 Eton Parade, High Road, North Finchley, N.12.

PERCIVAL AGER, LTD. (P.C.).—Capital £500. Objects: To carry on the business of medical herbalists and dealers in herbs and herbal medicinal preparations, patent medicine vendors, dealers in health foods, etc. R.O.: 265 Green Street, Forest Gate, E.7.

JESSE MASON (CHEMISTS), LTD. (P.C.).—Capital £500. Objects: To carry on the business of manufacturers of and dealers in chemicals, gases, drugs, medicines, plaster of Paris, gypsum, plasters, disinfectants, fertilisers, salts and acids. R.O.: 219 City Road, Cardiff.

HARRIS'S DRUG STORES (ALDERSHOT), LTD. (P.C.).—Capital £500. Objects: To carry on the business of manufacturers of or dealers in dental, chemical, surgical and optical instruments and appliances, salts, acids, alkalis, drugs and medicines. R.O.: 103 High Street, Aldershot.

WINTHORPE MANUFACTURING CO., LTD. (P.C.).—Capital £100. Objects: To carry on the business of manufacturers and vendors of soap, oils, greases, perfumes, salves, powders, chemicals, drugs, etc. Solicitors: Kenneth Brown, Baker, Baker, Essex House, Essex Street, W.C.2.

VIOLITE, LTD. (P.C.).—Capital £6,000. Objects: To carry on the business of manufacturers of and dealers in gas or vapour filled filament or electric discharge vessels for lighting and other purposes, vacuum, light, sensitive, thermionic, mechanical *x*-ray, violet ray, etc. R.O.: 17 Dorset Square, N.W.1.

RADIO PHARMACY, LTD. (P.C.).—Capital £700. Objects: To carry on the business of wholesale and retail pharmaceutical and analytical chemists and druggists, dispensers and drysalters, opticians, manufacturers of and dealers in radio, electrical, chemical, photographic and other apparatus and materials, etc. R.O.: 742 Alum Rock Road, Ward End, Birmingham.

NORTHAM WARREN CORPORATION, LTD. (P.C.).—Capital £10,000. Objects: To carry on the business of manufacturers of and wholesale and retail dealers in manicure and other apparatus and instruments, scents, perfumery, soaps, powders, pastes, unguents, and medical, chemical, toilet and other preparations, etc. Solicitors: McKenna & Co., 31-4 Basinghall Street, E.C.

ARTES RADIUM CREAM, LTD. (P.C.).—Capital, £500. Objects: To carry on the business of chemists, druggists, chemical manufacturers and dealers, drysalters, manufacturers of and dealers in cosmetic preparations, and in particular the Artes Radium Cream for activating and rejuvenating the skin, manufacturers of and dealers in toilet requisites. R.O.: 28 New Bond Street, London, W.1.

SANGENE CO., LTD. (P.C.).—Capital £2,000. Objects: To acquire the business of manufacturers and merchants carried on by C. Rose and P. McCullough as the "Sangene Company," and to carry on the business of manufacturers of and dealers in surgical, medical, curative and healing instruments and equipment, and artificial eyes and limbs, wholesale and retail chemists, dealers in chemists' supplies, etc. R.O.: 16A Barker Street.

LEWIS & PEAT, LTD.—Directors report that, owing to continued trade depression, they are unable to declare payment of dividend on the preference shares.

LEWIS & BURROWS, LTD.—Directors report net profit for year ended September 30, 1931, was £10,049 11s. 7d., and brought forward, £1,147 2s. 5d. Allocations: To general reserve, £2,000; income tax, £500; staff benevolent fund, £238 4s.; development account, £112 5s. 5d.; dividend at the rate of six per cent. on preference shares, £1,800; dividend at the rate of ten per cent. on the ordinary shares, £5,348; leaving a balance carried forward of £1,198 13s. The reserve account stands at £40,978 18s.

Bankruptcy Reports

Re Robert Brownlow, chemist, Manor Lodge, King's Langley, lately carrying on business at 356-360 Gray's Inn Road, W.C. The public examination of this debtor was held last week before Mr. Registrar Warmington at the London Bankruptcy Court, the accounts showing liabilities of £21,525, and no assets whatever. According to the debtor's statement, three previous bankruptcies are recorded against him; from neither set of proceedings has he been discharged. The examination was concluded.

William Pigott, 71 Commercial Road, Hereford, and also 213 Barton Street, Gloucester, herbalist. — This debtor applied for his discharge recently at the Shirehall, Hereford. The Official Receiver objected to the application, saying that the assets did not amount to 10s. in the £; books of account had not been kept, and the debtor had continued to trade after knowing his position. The Judge observed that the debtor had been a specialist in businesses of different kinds and granted the discharge, subject to a suspension of twelve months.

Re Frederick Boothroyd, 18 Beechfield Avenue, Blackpool, lately 21 Chapel Street, Blackpool, chemist and druggist.—The adjourned public examination of this debtor was held recently at the Court House, South King Street, Blackpool. According to the statement of affairs there were gross liabilities amounting to £5,819, of which £1,229 8s. 9d. was expected to rank and the assets were estimated to produce a like amount. Debtor attributed his failure to continued illness, insufficient trade and profits to meet expenses. The examination was closed.

Private Arrangements

Francis Roberts, 104A Cherry Lane, Walton, Lancs, chemist and druggist. A meeting of creditors was held on December 7, at the offices of Messrs. John Airey & Co., accountants, Liverpool. The statement of affairs presented showed liabilities of £498 4s. 11d., of which £206 12s. 5d. was due to the trade and £291 12s. 6d. to cash creditors. The assets totalled £145 15s. 5d., and consisted of cash in hand and at bank 15s. 5d.; stock £155 2s. 4d., valued at £100; fixtures and fittings £30; life policy £8; and sundry debtors £7. After allowing £4 3s. 6d. for preferential claims, the net assets were £141 11s. 11d., or a deficiency of £356 13s. The sales since the debtor acquired the business had been £592, against purchases of £510, with a net profit of £36. There was a net loss of £150. The deficiency was attributed to the loss on the trading; drawings of £117 and the depreciation written off the assets. It was decided that a deed of assignment should be executed to Mr. Airey, together with a committee of three of the creditors. The principal creditors are:—John Thompson & Co., Ltd., £87; Ayrton Saunders & Co., Ltd., £43; Place & Co., £20. Cash claims:—Mr. Lundy, £99; R. T. Roberts, £176; B. Charles, £15.

Christmas Holidays

We understand that the following wholesale houses will close on Thursday evening, December 24, and will reopen on Monday morning, December 28, unless otherwise stated:—

Allen & Hanburys, Ltd., Bethnal Green, E.2. 4 p.m. (Urgent orders can be executed at 7 Vere Street, W.1. Mayfair 2216.)
Allen, Stafford, & Sons, Ltd., Cowper Street, E.C.2.
Baiss Brothers & Co., Ltd., Bermondsey, S.E.1.
Bayer Products, Ltd., St. Dunstan's Hill, E.C.3. (Urgent orders from John Bell & Croyden, 50-52 Wigmore Street, W.1.)
Bell, John, Hills & Lucas, Ltd., Tower Bridge Road, S.E.1.
Bell, John, & Croyden, Lawrence Road, N.15 (and Savory & Moore). (Urgent orders from 50-52 Wigmore Street, W.1.)
Berton, Arthur, Ltd., 256-260 Old Street, E.C.1. (Reopen Tuesday, December 29.)
Bourjois, A., et Cie, Ltd., 4 Water Lane, E.C.4.
British Drug Houses, The, Ltd., Graham Street, N.1.
Britton, Malcolm & Waymark, Ltd., Southwark Bridge Road, S.E.1.
Brooks & Warburton, Ltd., 232-240 Vauxhall Bridge Road, S.W.1. (also December 31 for stocktaking).
Burge, Warren & Ridgley, Ltd., Great Saffron Hill, E.C.1.
Burgoyne, Burbidges & Co., Ltd., East Ham, E.6. 1 p.m. (also December 31 for stocktaking).
Burroughs Wellcome & Co., Snow Hill Buildings, E.C.1.
Butler & Crispe, 80-82 Clerkenwell Road, E.C.1.
Carnegie Bros., Essex Road, N.1.
Castle Huskisson, Ltd., Islington, N.1.
Christy, Thomas, & Co., Old Swan Lane, E.C.4. 12.30 p.m. (close Monday, December 28 at 12.30 p.m.).
Clayton Aniline Co., The, Ltd., Southwark Street, S.E.1. 1 p.m.
Curling, George, Wyman & Co., Bunhill Row, E.C.1.
Davenport, J. T., Ltd., Union Street, S.E.1.
Dearborn (1923), Ltd., Gray's Inn Road, W.C.1.
Edwards, W., & Sons, Nile Street, City Road, N.1.
Eno, J. C., Ltd., 160 Piccadilly, W.1. 12.30 p.m.
Evans Sons Lescher & Webb, Ltd., Bartholomew Close, E.C.1. 12.30 p.m.
Ford, T. H., Ltd., Falcon Square, E.C.1. 12 mid-day.
Gale & Co., Ltd., Bouverie Street, E.C.4. 4 p.m.
Hay, J. B., & Co., Ltd., 47 Rupert Street, W.1. 4.30 p.m.
Heward, R. H., & Co., Twickenham. 4 p.m.
Hewlett, C. J., & Son, Ltd., Charlotte Street, E.C.2 (also December 28-30 for stocktaking, urgent orders only executed).
Hodgkinson, Thomas, Prestons & King, 262 Bishopsgate, E.C.2.
Hoffmann-La Roche Chemical Works, Ltd., 51 Bowes Road, N.13. 4 p.m. (Urgent orders day and night from John Bell & Croyden, 50 Wigmore Street, W.1, and Mr. R. W. Brooke, 19 Gloucester Road, S.W.7.)
Horner, L. A., & Sons, South Tenter Street, E.1. 4 p.m.
Howards & Sons, Ltd., Ilford (also December 30 and 31 for stocktaking).
Johnson & Sons, Manufacturing Chemists, Ltd., London, N.W.4. 12.30 p.m
Kerfoot, Thomas & Co., Ltd., Bardsley and London (also closed on Thursday, December 24).
Macfarlan, J. F., & Co., 32 Bethnal Green Road, E.1. 2 p.m. (also January 1).
Mallagh & Co., London, S.E.1.
Maw, S., Son & Sons, Ltd., Aldersgate Street, E.C.1.
May, Roberts & Co., Ltd., Clerkenwell Road, E.C.1.
Meggeson, & Co., Ltd., New Church Street, S.E.16. 12 mid-day.
Morson, Thomas, & Son, Ltd., Gray's Inn Road, W.C. 12 mid-day. (Works and warehouse from Thursday mid-day, December 24, until Friday morning, January 1.)
Napp, H. R., Ltd., Clement's Inn, W.C.2. (Urgent orders can be executed by Rouse & Co., Ltd., 12 Wigmore Street, W.1, and by Mr. R. W. Brooke, 19 Gloucester Road, S.W.7.)
Newbery, Francis, & Sons, Ltd., Charterhouse Square, E.C.1.
Oppenheimer, Son & Co., Ltd., 51 Clapham Road, S.W.9.
Parke, Davis & Co., Beak Street, W.1.
Phil-Sano Co., Ltd., Kingsway, W.C.2. 12 mid-day.
Potter & Clarke, Ltd., Artillery Lane, E.1.
Reuter, R. J., Co., Ltd., Carter Lane, E.C.4. (Reopen Tuesday, December 29. Urgent orders only on Monday.)
Sangers, 258 Euston Road, N.W.1. 3.30 p.m.
Schering, Ltd., Lloyd's Avenue, E.C.3.
Smith, T. & H., Ltd., Christopher Street, E.C.2 (also January 1).
Solport Brothers, Ltd., Goswell Road, E.C.1 (also December 30 and 31 for stocktaking).
Sparks, White & Co., Ltd., Tenter Street, E.1.
Stevenson, H. E., & Co., Great Suffolk Street, S.E.1.
Tompkins, James, Ltd., City Road, E.C.1. 12 mid-day.
Toogood, William, Ltd., Southwark Street, S.E.1 (also December 29-30 for stocktaking).
Tyrer, Thomas, & Co., Ltd., Stratford, E.15.
United Chemists' Association, Ltd., Cheltenham and London. 12 mid-day.
Viscose Development Co., Ltd., Woldham Road, Bromley, Kent (also December 31 for stocktaking, December 29-January 4, no dispatches).
Wilcox, Jozeau & Co. (Foreign Chemists), Ltd., 15 Great St. Andrew Street, W.C.2.
Willows, Francis, Butler & Thompson, Ltd., Shacklewell Lane, E.8.
Winchester Manufacturing Co., Ltd., 21 The Square, Isleworth. 1 p.m.
Wright, Layman & Umney, Ltd., 44-50 Southwark Street, S.E.1. 4 p.m. (also December 29-30 for stocktaking).

The offices of The Chemist and Druggist will be closed on December 25, 26 and 28.

Business Changes

Norman's Pharmacies, Ltd., have opened a new branch in Tempest Hey, Liverpool.

Mr. J. McInroy, chemist and druggist, has opened a pharmacy at Aitken Street, Largs.

Mr. J. S. Peake, chemist and druggist, has acquired the business of Mr. W. E. Griffiths, Mapperley, Nottingham.

Mr. H. M. Beanland, chemist and druggist, has acquired the business of Mr. G. W. Kendall, chemist and druggist, 263 Allerton Road, Allerton, Bradford.

Mr. A. Bernard Slack, company registration agent, has had his house renumbered and named; letters should be addressed to 721 Princess Road, West Didsbury, Manchester.

Mr. G. H. Hodgkison, chemist and druggist, Alston, has disposed of his business to Mr. George Mossop, chemist and druggist. Mr. Hodgkison has been appointed representative for North-West England for Lysol, Ltd.

P. Samuelson & Co., importers of essential oils, have transferred their office from 27 Mincing Lane, E.C.3, and their warehouse from Jewry Street, to 17 Creechurch Lane, Leadenhall Street, London, E.C.3, as from December 28. Telephone: Avenue 8418.

Douglas Corporation is investigating the possibilities of selling seaweed for industrial use.

Pharmaceutical Society of Ireland

Council Meeting

THE monthly meeting of the Council of the Pharmaceutical Society of Ireland was held at 67 Lower Mount Street, Dublin, on December 8, the president (Mr. P. Brooke-Kelly) in the chair. The other members present were Messrs. C. J. Cremen (vice-president), T. Costelloe (treasurer), Dr. J. A. Mitchell, J. F. Costello, Sir Thomas Robinson, D. J. Nugent, M. J. Kiernan, J. McCormack, P. Kieran, D. Warwick, P. Liston, J. A. O'Rourke, M. J. Parkes, J. Gleeson, J. T. Dwyer and E. Ronaghan. Letters of apology for non-attendance were read from Mr. F. J. Fitzpatrick and Mr. P. J. Fielding.

At the outset of the proceedings Mr. O'ROURKE moved that the representative of "The Irish Chemist and Druggist" be admitted to the meeting. Some discussion followed, and the president ruled that notice of motion would have to be given for the next meeting.

DEATH

The PRESIDENT moved: "That the Council of the Pharmaceutical Society of Ireland hereby places on record its deep sense of loss at the death of the late Mr. William Campbell Meeke, and its deepest appreciation of the loyal and faithful service he gave as law adviser to the Society for over quarter of a century, and that a copy of the resolution be sent to Mrs. Meeke."

Mr. CREMEN seconded the motion and said that in the death of Mr. Meeke the Society had lost a great and true friend.

Mr. NUGENT: Mr. President, allow me to associate myself with that resolution. I sympathise deeply with Mrs. Meeke in her bereavement. In Mr. Meeke we have lost a man who gave loyal and devoted service to the Society. As president last year I happen to know the attention he paid to the business, and I do not think we will get a man again to pay the same attention to the work of the Society.

Mr. KIERNAN said that they all felt that they had lost a valued friend and adviser.

Sir THOMAS ROBINSON said he knew Mr. Meeke longer than any member of the Council, and he endorsed everything that had been said. Mr. Meeke was a man of exceptional ability in his profession, and of the highest possible integrity and purpose. He was a man who was successful over a long period of years in keeping the Society from making mistakes of any kind, and his loss would be greatly felt.

The REGISTRAR said he would like to be permitted to add his tribute to those paid to Mr. Meeke. Certainly Mr. Meeke's death would be a great loss to him, as an official of the Society.

Mr. WARWICK said he knew Mr. Meeke intimately outside of business, and could certainly say it would be long before they recovered from his loss.

Dr. MITCHELL mentioned that he knew Mr. Meeke in a social way outside, and he was a man of charming personality, as well as being an astute and kindly solicitor.

Mr. PARKES said that the new members wished to be associated with the resolution.

The resolution was passed in silence, all members of the Council standing.

REPLICA OF PRESIDENTIAL BADGE PRESENTED

The PRESIDENT, in presenting Mr. D. J. Nugent, last year's president, with the past-president's badge, said: It gives me great pleasure to present Mr. Nugent with this badge. (Applause.)

Mr. NUGENT made a brief acknowledgment.

CORRESPONDENCE

Letters were read from General Mulcahy, Minister for Local Government, Judge Moonan, and the Pharmaceutical Society of Northern Ireland, extending sympathy on the death of Mr. Meeke. It was directed that the letters be inserted in the minutes.

Messrs. A. & J. Robinson wrote tendering their resignation as solicitors to the Society. The resignation was accepted with regret on the motion of Mr. CREMEN, seconded by Mr. PARKES.

PRELIMINARY REGISTRATION

The following, who forwarded certificates from other bodies, were granted preliminary registration:—Miss Sheila Farragher, Messrs. P. Horan, H. Sorenson, R. J. McCarthy, P. J. Walsh and Henry A. Dempsey.

REPORTS RECEIVED

The reports of the Law, House, Schools and Benevolent Fund Committees were received and adopted.

A written explanation from the pharmacy examiners regarding the loss of a paper at the last examination was read and accepted by the Council.

DEATHS

The registrar notified the deaths of Messrs. George Wilson, Ph.C., and R. T. Jennings, Ph.C.

A QUESTION OF REPORTING

Mr. NUGENT raised the question of the exclusion of the representative of "The Irish Chemist and Druggist" from the meeting. There was some discussion on the matter, and it was eventually decided to proceed with the business on the agenda.

THE COUNCIL'S LEGAL ADVISERS

A letter was read from Mr. Martin C. Maguire, K.C., thanking the Council for his appointment as standing counsel to the Society.

A motion that the Council proceed at its next meeting to appoint a law adviser, proposed by Mr PARKES and seconded by Mr. RONAGHAN, was passed.

THE OFFICIAL ORGAN

Mr. O'ROURKE moved: "That the Council of the Pharmaceutical Society of Ireland requests the publishers of THE CHEMIST AND DRUGGIST to comply with the terms of the protest passed at the annual meeting of the Society in October, and hereby calls on the publishers to delete without further delay all advertisements for contraceptives from every edition of THE CHEMIST AND DRUGGIST and *C. & D. Diary* sent to the Irish Free State. The Council also requests the publishers to give an undertaking that they will delete from all copies of the *C. & D.* sent to the Irish Free State any advertisements that the Council may consider indecent or offensive in so far as the goods or articles advertised might reasonably be supposed to be intended for use as abortifacients."

The proposition was seconded by the PRESIDENT and adopted.

DRAFT PHARMACY BILL

Mr. O'ROURKE moved that the new members of the Council be furnished with copies of the draft Pharmacy Bill, that the Government draft Bill be made available for inspection by these members of the Council, and that a general statement on the position of the Bill be sent to all members of the Pharmaceutical Society of Ireland and associate druggists at the earliest possible moment.

Mr. GLEESON seconded the motion, which was passed unanimously after discussion.

Mr. CREMEN moved that the suggestions put forward by the deputation to the Council in July be referred to the Law Committee, and that the first matter to be considered be the redrafting of the clause providing for the establishment of corporations and company pharmacies. He said that this motion had, of course, nothing to do with the existing companies, but they thought it advisable that company law should be tightened up more in the new Bill. Certain suggestions put forward by the deputation at that time they considered fair, and they would like to have them considered by the Legislation Committee.

The motion was seconded by Mr. GLEESON and passed.

ELECTIONS AND NOMINATIONS

Mr. T. J. Burke, B.A., M.P.S.I., was re-elected examiner to the pharmacy division of the Licence examination, on the motion of Mr. T. COSTELLOE, seconded by Dr. MITCHELL. Mr. Michael Smith was re-elected examiner to the Registered Druggist examination for the year 1931-32.

The following were elected to membership of the Society:—Messrs. A. W. Hendy, Sandymount, Dublin; P. J. Higgins, Cootehill; G. D. Golden, Fermoy, co. Cork; T. M. Walsh, Dingle, co. Kerry; Herbert Coburn, Donegal; S. S. Huggaro, Dundalk; John McCarthy, Dublin; Wilfrid O'Donnell, Terenure, Dublin; Miss A. R. Maguire, Cork; Miss M. M. O'Reilly, Glin, co. Limerick, and Miss Eileen O'Byrne, Glasnevin, Dublin. Mr. Francis Blowick, Clonbur, Claremorris, was elected an associate of the Society.

Nominations for membership were passed in respect of Mr. F. S. Westbury, Youghal, and Mr. B. M. Laverty, Dundalk; and for associateship for Mr. Wm. Salisbury, Glasnevin.

The pharmaceutical licences of the following were signed and sealed by order of the Council:—Mona M. Collins, Dermot Fitzpatrick, Wm. P. Sayers, Mary Gunning, Wm. F. Keys, Jos. D. MacNeill, Gwyneth G. O'Leary, Peter V. Lowry, Violet V. Hamilton, A. L. Smith, Patricia C. Dolan, Patrick Teehan, Hugh P. Corrigan, Patrick Nolan, Pauline Dillon, Julia O'Leary, A. J. Fitzgerald, C. J. Doherty and Michael J. Conlan.

Festivities

Public Pharmacists' Whist Drive

THE annual whist drive of the Guild of Public Pharmacists was held at the Mikado Restaurant London, E.C.2, on November 26. Mr. A. H. Jenkin acted as M.C., and the prizes were won as follows:—(1) Messrs. Elgar and Robinson; (2) Miss Jolly and Mr. Gibson; (3) Miss Lindsey and Mr. Chapman; (interval) Mrs. Banks and Dr. Mailer; (president's special) Mrs. Phillips.

Birmingham Dance

THE annual dance of the Birmingham Pharmaceutical Association was held on December 9, when a very enjoyable evening was spent by members and friends. Mr. C. Tidman acted as M.C. and introduced some novel variations which were greatly appreciated. Spot prize and competition dances were also arranged. It is hoped to arrange another dance for February 10, 1932.

Sheffield Social Evening

THE second social evening of the Sheffield and District Branch of the Pharmaceutical Society, held on November 26, proved to be one of the most successful in the history of the Branch. A profit of £3 8s. was allotted to the Society's Benevolent Fund. The whist prizes were won by the following:—*Ladies*, (1) Miss Gledhill; (2) Mrs. Wright; (3) Mrs. Crowe. *Gentlemen*, (1) Mr. C. H. Hewitt; (2) Mr. Haddon; (3) Mr. Williams. The prizes were given by six members of the Executive and were presented by Mrs. J. H. W. R. Turner (wife of the president). Mr. J. Crowe acted as M.C. for whist, and the dancing was in the hands of Messrs. Hobson and Kirman.

Perthshire Dinner

THE annual dinner of the Perthshire Pharmacists' Association was held at the Station Hotel, Perth, on November 25, when a large company attended. Representatives were present from Dunblane, Blairgowrie and Alyth, while the company also included the Resident Secretary in Scotland of the Society (Mr. J. Rutherford Hill), and Messrs. W. C. Burt and T. B. Marshall (clerks of the City and County Insurance Committees, respectively). The members and friends were received by Mr. Petrie (president) and Mrs. Petrie, and, after whist, an enjoyable musical programme was sustained by Mr. Michie (Milnathort) and Mrs. Walker (Dunkeld). Mr. Thomas Harley (secretary) mystified the audience by his clever conjuring. Miss Bassingthwaite provided the accompaniments, and the prizes were presented to the winners by Mrs. Petrie. Votes of thanks to the secretary, chairman and committee terminated a pleasant evening.

South-West London Dance

A DANCE was held under the auspices of the South-West London Chemists' Association and Branch of the Pharmaceutical Society, on November 25, at Wandsworth Town Hall. The function was well attended by members and friends. Spot prizes were won by Mr. and Mrs. McPhee, Miss W. Hasildine, Mr. W. Pitney and presented by Mrs. J. E. Monaghan, the wife of the president. The next social function will be held on January 5, 1932.

West Glamorgan Function

THE annual whist drive and dance of the West Glamorgan Branch of the Pharmaceutical Society, in aid of the Society's Benevolent Fund, was held recently. During the evening presentation was made of the golf trophy, won for the first time by Mr. T. Lewis (Morriston) in a Swansea tournament played last September. Mr. Kennah handed over the trophy on behalf of Evans Sons Lescher & Webb, Ltd. The M.C.s were Messrs. E. Shatz, R. Dickens, James and J. S. Gilbert, and the committee responsible for the success of the event consisted of Messrs. F. Illtyd Rees (Aberavon), T. Gwyn Laurence, John Rees, T. Rees, J. H. Kent, J. S. Gilbert, E. Shatz and I. Rowland James.

Glasgow Whist Drive

A SUCCESSFUL and enjoyable whist drive was held under the auspices of the Glasgow Pharmacy Club on December 8. Mr. D. G. Mackenzie (president) welcomed the players, and tea was served during the interval. Prizes were won by the following:—*Ladies*, (1) Mrs B. Brodie; (2) Mrs. W. J. Moffat; (3) Mrs. D. Duncan; (consolation), Mrs. McMillan; (lady playing as gentleman), Miss A. McNicoll. *Gentlemen*, (1) Mr. N. McMillan; (2) Mr. D. MacLean; (3) Mr. J. Crombie; (consolation), Mr. J. MacGillivray. An amusing novelty was introduced by announcing mystery prizes, which were received by various ladies. Miss Goldberg presented the prizes. The donors were thanked on the call of Mr. D. G. Mackenzie.

Lancaster Function

THE Lancaster, Kendal and District Branch of the Pharmaceutical Society held a supper, whist drive and dance on December 2 at Timm's Café, Lancaster. The M.C. for whist was Mr. W. A. Smith (secretary), while Messrs. H. Lewty and A. Hardy took charge of the dancing. The whist prizes were distributed by Mrs. Eastwood (wife of the president), as follows:—*Ladies*, (1) Miss Hindle; (2) Mrs. Bateson; (travelling prize) Mrs. Howarth. *Gentlemen*, (1) Mr. Hilson; (2) Mr. Bateson; (travelling prize) Mr. Hilson. *Spot dance*, Miss Knowles, Mrs. Towers, Mr. Ibbison and Mr. W. Smith. The arrangements were in the hands of the secretary and a committee composed of Miss Shattock, Mr. Spenceley, Mr. Lewty and Mr. Wheeler.

Association Meetings

Aberdeen.—Members of the Aberdeen Pharmaceutical Association held their quarterly meeting on December 8, Mr. M. K. Watt (president) in the chair. There was a large attendance. Mr. W. F. Hay (chairman of the local Conference Committee) gave details of the arrangements so far made for carrying through the British Pharmaceutical Conference to be held in Aberdeen in September. The Entertainments Committee was empowered to carry through arrangements for a whist drive and dance to be held in February. Discussion took place regarding recent cuts in insurance remuneration, and dissatisfaction was expressed regarding the prices now being allowed for dressings. Opinions were expressed regarding a recent decision by the local Insurance Committee over a test prescription.

Belfast.—A meeting of the Committee of the Ulster Retail Drug Trade Association was held on December 1, Mr. James McDowell (president) in the chair. The members of the deputation who waited on the members of the Council of the Pharmaceutical Society made their report, stating that the Council was in entire sympathy with them in regard to new legislation. A letter was read from the secretary of the North Irish Pharmacists' Association stating that their Committee had discussed the possibility of an amalgamation with the U.R.D.T.A., and hoped the suggestion would receive favourable consideration. The president said that he preferred an amalgamation of the three bodies, if it could be so arranged; complete amalgamation would do away with any grievances. Mr. James Dundee suggested that the matter be referred to a subcommittee, mentioning that the dispensing schedule was being kept back in view of an early settlement. Mr. John Adams supported the advisability of amalgamation. Mr. Abernethy stated that the difference would have to be made up with the Chemists' and Druggists' Society before anything could be done; at the same time he favoured amalgamation. Mr. John McDowell pleaded for members to drop all differences and unite in one loyal body. Mr. Rankin mentioned that he had just returned from Londonderry with a request from the members there for one strong association. Mr. McGregor proposed that a subcommittee be appointed to go into the whole matter with the N.I.P.A. This was seconded by Mr. Forrest, who considered that the combined associations would then be in a stronger position to meet the Chemists' and Druggists' Society. Mr. Abernethy supported the proposal, which was passed by a large majority. Reference was made to the action of certain members in giving special discount to members of Civil Service Guilds and other bodies. The president reported that Mr. F. Brittain, who was appointed secretary, was unable to take up duties and wished to be relieved; this was granted. Mr. Stevenson agreed to carry on the work of the Association.

Newport.—A well-attended meeting of the Newport and Monmouthshire Chemists' Association was held on December 7. Mr. Ben Evans (president) stated that the object of the meeting was to endeavour to formulate some policy in order that the present policy, or lack of one, should be revised and remedied where necessary. He had great pleasure in asking Mr. F. E. S. Clarke to speak upon *Shall Pharmacy Promote Its Own Bill?* Mr. Clarke said that the stream of pharmaceutical politics had recently been subjected to many cross-currents and from quarters least expected, even in respect to the two responsible organisations. These cross-currents had contributed to the well-deserved defeat of the Pharmacy and Poisons Bill. We had to take up, he believed, an entirely new view-point, and no longer wait upon time and circumstances. The first principle to be agreed upon was that pharmacy must promote its own Bill; and such a principle, to be effectively acted upon, must be supported by a 100 per cent. membership of the organisation that is to operate. Which organisation should carry us through was a matter for further consideration. The second principle to be considered was what the Bill must contain and what it must not. The proposed Pharmacy Bill would contain but one main clause: "It shall be unlawful for any medical prescription (a prescription written only by a duly qualified practitioner) to be compounded or dispensed except by or under the supervision of a duly qualified pharmacist." A lesser clause would contain: "In all surgeries, pharmacies or other places where the compounding and dispensing of medical prescriptions is undertaken, there shall be exhibited the name and registration number of the supervising pharmacist"; and all regulations governing the compounding and dispensing of medical prescriptions should be applicable to all such places alike. A small annual registration fee would be payable to the registering body. A larger annual pharmacist's personal registration fee would be payable to the Society. It might be objected that the medical profession would not agree; but medical opposition really did not exist to anything like the extent feared. The vexed question of poisons had been designedly left out of the Bill. Poisons had been and would continue to be the main cause of all the opposition to legislation efforts on behalf of pharmacy. They must be fully prepared to desert their present position as legalised privileged sellers of poisons, but they must not desert it until and unless they had secured their rightful position as the compounders of medicine. By accepting the principles of such a Bill, they removed what has been the greatest opposition to true pharmaceutical legislation, the vested interests of certain groups of chemical manufacturers in the sale of poisons along with the drug-store proprietors and the medical practitioners of the various groups. The following resolution was unanimously adopted:—"That this meeting considers it urgently necessary for pharmacy to promote its own Bill, and that such a Bill ought not to embrace any interference with the existing poison laws, but rather seek to secure that the practice of pharmacy, i.e., the compounding and dispensing of medical prescriptions, shall be restricted to the duly qualified pharmacist. It further considers the R.P.U. can be best fitted to promote such legislation by its greater independence and more representative character. It therefore urges all retail pharmacists to press upon the R.P.U. to secure a wider and more representative field for discussion, so that the views and considered opinions of all shall at least be heard and reviewed, in order that any policy finally laid down and contained in a Bill shall have behind it the moral and material force of a settled and convicted opinion." The following took part in the discussion:—Messrs. Ben Evans, C. C. Giles, T. Badgett, J. C. W. Evans, R. Shelley, T. Card, Jared Edwards, F. Bolton, C. A. Nyblad.

Public Pharmacists.—A meeting of the Liverpool Branch of the Guild of Public Pharmacists was held on November 30, Mr. Alec Rae in the chair. The chairman referred to the recent death of Mr. J. Scott, one of the original members of the Branch, who was for many years pharmacist in the Liverpool Children's Hospital; all present stood in silence. As a miscellaneous communication the secretary produced a sample of pitchblende, the ore from which radium is extracted, together with a photographic plate which had been exposed through a screen opaque to light, to the radiations from the same sample. Mr. John Butler, B.Sc., F.I.C., Ph.C., delivered a lecture on *Hydrogen-Ion Concentration.* After pointing out the desirability of having a working knowledge of the subject, Mr. Butler proceeded to discuss reversible reactions, definitions of ionic product, quantity factor and intensity factor. He discussed the determination of P_H values, dealing first with electrometric methods, showing the apparatus in each case. Colorimetric methods were then reviewed, the range of various indicators mentioned, and the use of the comparator rack described. After the lecture, Mr. Butler replied to questions put by Messrs. John Rae and Henriksen, and received a vote of thanks proposed by Miss Edis.

Toilet Goods in the Argentine

THE sale of toilet goods in the Argentine was subject to the conditions of a resolution passed on September 5, 1930. The position has become modified, however, by the introduction of new regulations by the Department of National Health. The following is an abstract:—

Article 1.—Cosmetics include tinctures and lotions for colouring the hair and the moustache and for preventing or curing abnormal conditions; creams, powders, liquids, ointments, pastes, etc., indicated in the preservation of the skin and in the treatment of freckles or other blemishes; depilatories in general; powders for application to the skin; pastes, pencils and colours for the face, lips, eyebrows, nails, eyelashes, etc.; dentifrices, perfumed soap, anti-sudorific preparations; and, in general, any product included in the cosmetic class.

Article 2.—The sale of the foregoing products, national or foreign, to be under the supervision of the Department.

Article 3.—Use of the following substances in the preparation of cosmetics is prohibited:—Arsenic, mercury, lead, silver and their respective derivatives, pilocarpine and its salts, chromic acid, amidophenol, belladonna and its principles, diamidophenol, amidoresorcin, hydroquinone, phenylendiamine (meta and para), preparations containing pyrogallol, ammonia, formaldehyde, colouring matters and, in general, all other substances, mineral or organic, which, in the view of the Department, might cause accidents. Lead, arsenic, or any other injurious substance may not be used in the composition of containers.

Article 4.—When, for technical reasons, a preparation must contain one of the substances enumerated above, it must bear a legible notice "use with care," and it will be allowed to be prepared only in an establishment directed by a pharmacist or by a doctor of chemistry who will be responsible to the Department and whose name must appear on the label.

Article 5.—The products enumerated in Article 1, as well as all other cosmetics, including the materials enumerated in Article 3, may not be sold without previous authorisation of the Department.

Article 6.—Requests for authorisation must be presented by the makers, importers and representatives or sole agents with six samples of each product. Requests for authorisation of products containing the substances in Article 3 must declare which material is contained and in what proportion. Requests for authorisation of other products must include a sworn declaration that they do not contain any material mentioned in Article 3.

Article 7.—A period of ninety days is allowed to representatives of foreign products, and sixty days to nationals, in which to present their respective requests for authorisation.

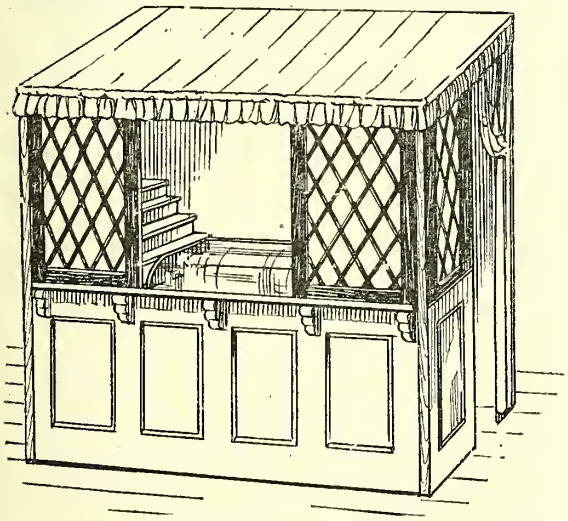
Article 8.—The products affected by the Regulations will be subject to the same control as is exercised over medicinal specialities.

Article 9.—Infringements of the Regulations will be punished in accordance with the law.

Article 10.—The fee for analysis of such products to cost 50 pesos, and for the ultimate authorisation of sale 25 pesos.

Why Not a Kiosk?

CHEMISTS in good shopping centres who count on Christmas trade to bring in a few extra pounds towards New Year payments may find helpful a description of the first Christmas display I made when in business on my own account. The idea came to me, "Why not a kiosk?" This is how I carried it out. My shop was double-fronted with door in the centre. The fittings



were old-fashioned solid mahogany. The wall-cases had plate-glass doors in solid frames about 4 ft by 20 in. I took down three of these from their cases and made old-fashioned diamond paned windows of them by sticking on ½-in. strips of "Lincrusta Walton"—nearest I could get to leaded glass colour. I cleared a 6-ft. counter, one end of which abutted on the window enclosure, and fixed the improvised diamond window frames to it, as shown in sketch, by strong plain angle brackets. For the supporting frame, three stout bamboo poles 6 ft. 6 in. long were used; two upright and one across resting above the window tops; and two lighter canes from the top of uprights, at an angle, to the top of the wall-case cornice at the back, thus giving a tent-like slope to the roof cover. The covering was of deep lemon coloured sateen, with a frill along the front. The window beside the kiosk was devoted to a Christmas display of such goods as were obtainable; chiefly cased perfumes and toilet soaps, from old-established manufacturers. The kiosk I reserved for showing my own specialities:—Prize lavender water, eau de Cologne, and milk of cucumber, in blue and white opal bottles. From a traveller friend I secured a very good selection of leather goods and silver-plated ware suitable for Christmas presents; these in addition made a very attractive and original display. When illuminated with hidden electric lights the kiosk looked quite picturesque and proved a great draw.—C. E. D. (9/12).

COMPANIES DISSOLVED.—Notice has been given in "The London Gazette" that the names of the undermentioned companies have been struck off the register and the companies dissolved:—British Chemists, Ltd.; White Band Manufacturing Co., Ltd.

PAMPHLET ON RADIUM.—Report No. 160 of the Special Series issued by the Medical Research Council (Stationery Office, 1s.) deals with the medical uses of radium, the most favourable fields for which are stated to be growths of the breast, cervix uteri and the buccal cavity.

A MEDICAL OPINION.—"Although there are very few 'weed-killer' cases of suicide [in the Registrar-General's latest Review for England and Wales], the figures in this category of poisonings may cause the public to consider how far it is desirable to permit the almost indiscriminate retailing of poisons by persons not specially trained in knowledge of the properties of the drugs they sell. It is a matter not to be ignored when any amendment of the Poisons and Pharmacy Act is proposed."—"The Lancet."

Births

Notices for insertion in this column must be properly authenticated.

REID.—At West Banks Terrace, Wick, on December 11, the wife of H. B. Reid, M.P.S., of a son.

Deaths

BARKER.—At his residenee, 54 Grantham Road, Sparkbrook, Birmingham, on December 8, after a brief illness, Mr. Thomas Henry Barker, chemist and druggist, aged fifty-six. Mr. Barker was apprenticed to the late Mr. J. A. Radford, Union Street, Birmingham. He became Mr. Radford's son-in-law, and managed the business (which was removed to Temple Row) after his father-in-law's decease. Mr. Barker leaves a widow and son.

BEATTIE.—At 4 Viewforth, Edinburgh, on December 1, Mr. Peter Rattray Beattie, chemist and druggist, aged fifty-nine. Mr. Beattie was in business at 130 Bruntsfield Place for a long period.

BOOR.—At his residence, "Newton," Monica Road, Wisbeeh, on December 5, Mr. William Boor, retired chemist and druggist, aged eighty-four. Mr. Boor served his apprenticeship to the late Mr. Langford, 1 High Street, Wisbech. After gaining further experiences in various parts of the country he purchased, in 1875, the premises where he had served his apprenticeship, and conducted a successful business until his retirement in 1920, when he disposed of the concern to Mr. Ralph Scrafton M.P.S. Mr. Boor, who a bachelor, took no active part in the public life of the borough, but prosecuted his business with zeal, gaining the respect and confidence of the inhabitants of the district. His was a robust constitution until he received considerable injury to the knee on being knocked down by a car in 1928. He bore his infirmity with remarkable fortitude, and retained his interest in things pharmaceutieal until his death. He was interred at Newton, Cambridgeshire (his birthplace), on December 8.

COCKTON.—At Old Trafford, Manchester, on December 13, Mr. William Henry Cockton, Ph.C., aged forty-three. Mr. Cockton was a native of Wigton, Cumberland, in which town he served his apprenticeship to Mr. Hayton. He qualified in 1912, and passed the Major examination two years later. Since 1919 Mr. Cockton had been chief chemist and laboratory manager to the Veno Drug Co., Ltd. (now amalgamated with Beechams Pills, Ltd.), Chester Road, Manchester, a position in which his grasp of engineering problems, combined with analytical skill, resulted in improved processes of manufacture. He leaves a widow and four children.

GOODMAN.—At the Metropolitan Hospital, London, E.8, on November 15, Mr. Harry Goodman, chemist and druggist, aged twenty-two.

HUGHES.—At 23 Ivy Road, Gosforth, Newcastle-upon-Tyne, on December 11, Grace, wife of Mr. William Hughes (representing S. Maw, Son & Sons, Ltd., 7-12 Aldersgate Street, London, E.C.1).

HUGHES.—At Denbigh Infirmary, Mr. Hubert Reginald Hughes, chemist and druggist, Medical Hall, Abergele, aged forty-one. Mr. Hughes, who was the son of the late Mr. R. D. Hughes, chemist and druggist, Denbigh, established his business about eight years ago. He leaves a widow and a daughter.

JONES—At 82 Quay, Waterford, on December 12, Mr. William John Jones, L.P.S.I., aged fifty.

SPOONER.—At 5 Strathmore Gardens, Finchley, London, N., recently, of heart failure, Mr. William Cushing Spooner, M.P.S., proprietor of the Farringdon Drug Co., 8 Farringdon Road, E.C.1, aged fifty-five.

THOMS.—In Berlin, on November 28, Professor Dr. Hermann Thoms, aged seventy-two. Professor Thoms was appointed director of the pharmacy department of the University of Berlin in 1902; he was also prominently associated with organised pharmacy in Germany. His work at the University was distinguished by original research and by the efficient state to which he brought his department. For some years he was a corresponding member of the Pharmaceutical Society of Great Britain, and last October (*C. & D.*, October 10, p. 460) he was presented with the Hanbury medal.

WATERSTON.—At Thornhill, Forfar, on December 8, Mr. James Albert Waterston, chemist and druggist. Mr. Waterston, who qualified in 1895, carried on business at 119 East High Street, Forfar, for about thirty years. He leaves a widow and a son.

Personalities

MR. P. ROBINSON, chemist and druggist, Norwich, has been appointed a governor of Norwich Grammar School.

MR. A. C. YEATES, chemist and druggist, Stourbridge, addressed the Dudley Rotary Club recently on "The Evolution of Pharmacy."

MR. W. PHILLIP WANT, Ph.C., editor of "The British and Colonial Pharmacist," is retiring after seeing the December issue of the paper through the press. Mr. Want was apprenticed to the late Mr. A. C. Cole, Ph.C., High Road, Lee, London, S.E., in 1881, and passed the Matriculation examination of London University in the following year. He was senior Bell scholar in 1885, qualified from the Pharmaceutical Society's School in 1887, and passed the Major examination in July 1888. Till 1891 Mr. Want was a dispenser at the Royal Naval School, Greenwich, under the late Mr. George W. Armstrong; in that year he joined the staff of "The British and Colonial Druggist" (the former title of his paper) as sub-editor, and ten years later he became the editor. The series of exhibitions held under the auspices of the "B. and C.P." began with the Chemists' Exhibition of 1895, the first London Medical Exhibition following in 1905. It will thus be seen that Mr. Want has been associated with his paper for the long period of forty years, and has been its editor for three-fourths of that time. We have found his name in our list of visitors to the British Pharmaceutical Conference meetings as early as 1892; it is safe to say that he has been present at most of the annual Conference gatherings since then, gaining the friendship and esteem of hundreds of pharmacists by his genial personality. We cordially wish Mr. Want many happy years of leisure.

MR. W. P. WANT, PH.C.

MR. F. STANLEY CLARKE, Ph.C., works manager of Stemco, Ltd., Camden Town, London, N.W.1, has just returned from a two months' visit to Stanco, Inc., Park Avenue, New York City, and to their plant at Bayway, New Jersey.

MR. W. E. JACKSON (Ernest Jackson & Co., Ltd., lozenge manufacturers, Crediton) is the only candidate nominated for a casual vacancy on the local urban district council. In becoming a member of the council Mr. Jackson will be following in the footsteps of his late father.

Mr. G. E. Cockman, who recently completed fifty years' service with Ingram & Royle, Ltd., mineral-water importers, London, S.E.1, has been presented by the board with a gold cigarette case in commemoration of the event. Mr. Cockman joined the company at the age of fifteen and has been a director for many years.

The clever pen drawing here reproduced forms the centrepiece of a Christmas greeting that we have received. The inscription reads: "Is there no treacle in Gilead?" Then follows the biblical reference and the answer: "Perhaps not. But there are many hearty good wishes for Christmas and the New Year from Dr. and Mrs. David Hooper."

Trade Notes

Tuition and employment in writing showcards is the subject of an announcement in this issue by Artcards, Ltd. (S.M.), 45A Bouverie Road West, Folkestone.

Treatment of boils.—Arthur H. Cox & Co., Ltd., manufacturing chemists, Brighton, have placed on the market a tin preparation in tablet form for the internal treatment of boils.

William Edwards & Sons, 14 Nile Street, City Road, London, N.1, have published a new edition of their price list of druggists' sundries, toilet specialities, packed goods and proprietary articles.

Farrow & Co. (London), Ltd., 87 Borough High Street, London, S.E.1, have been appointed sole agents in the United Kingdom for Cavallier Frères, Grasse, France, growers and essential oil distillers.

Christmas greetings.—The following business houses are wishing their customers and friends the season's greetings through advertisements in this issue:—Arthur Berton, Ltd.; T. F. Bristow & Co., Ltd.; W. B. Cartwright, Ltd.; W. T. Owbridge, Ltd.; Mr. C. A. Scurr; Vareen, Ltd.

Pictorial barometers.—Reference was made in an article on "Christmas Gifts that Build Goodwill" (*C. & D.*, November 28, p. 641) to the suitability for this purpose of barometers which change colour according to the atmospheric conditions. The General Optical Co., 120 Clerkenwell Road, London, E.C.1, illustrate such novelties in their advertisement in this issue.

Thomas & Linton, Ltd., 4 Racquet Court, Fleet Street, London, E.C.4, who have taken over the business formerly controlled by Mr. R. H. Linton, 14 New Bridge Street, E.C.4, have been appointed the agents for Clay & Abraham, Ltd. (Canda products); Modern Health Products, Ltd. (Natex Foods); The Little Doctor pocket inhaler; the Ever-hot waterless bag; and the Litesome body belt of Fred Hurtley, Ltd.

Alphidine.—Oppenheimer, Son & Co., Ltd., manufacturing chemists, 51 Clapham Road, London, S.W.9, are the proprietors of Alphidine, a non-toxic, non-irritant, assimilable allotropic form of iodine giving a colloidal solution in water. Clinical tests establish its non-toxicity, doses ranging up to the equivalent of 6 grains pure iodine having been given over periods of weeks, without producing iodism, or other untoward symptoms. Alphidine is put up in the form of pulverettes, each equivalent to ½ grain of pure iodine, and is issued in bottles of 50, 100, 500 and 1,000.

Trade-Mark Applications

The figures in parentheses refer to the classes in which the marks are grouped. A list of classes and particulars as to registration are given in "The Chemist and Druggist Diary," 1931, p. 345.

(From "The Trade Marks Journal," December 2, 1931.)

"Kuphlu"; for powders for headache, etc. (3). By Kuphlu & Co., 69 Cambridge Street, Blackburn. 525,903.

"Casmar"; for a medicated preparation (3). By Johnson & Sons, Manufacturing Chemists, Ltd., 233 Hendon Way, N.W.4. 526,731.

"Rofekol"; for medicinal chemicals (3). By H. Lever, 11 Crescent Road, Upton Manor, London, E.13. 526,926.

(From "The Trade Marks Journal," December 9, 1931.)

"Viasan"; for tonic medicines (3). "Pepsao" and "Pepsex"; for preparations for pernicious anæmia (3). By Boots Pure Drug Co., Ltd., 37 Station Street, Nottingham. 524,091/845/846. (Associated.)

"Fru-tu-San" on device of fruit and including words "Salina de Frutas Evans," etc. ("Evans" and "Salina de Frutas" disclaimed); for a fruit saline preparation (3). By Evans Sons Lescher & Webb, Ltd., 56 Hanover Street, Liverpool. 525,239. (Associated.)

"Wakamoto"; for all goods (3). By Nagao Goshi Kaisha, 2-11 Shiba Park, Shibaku, Tokyo, Japan. 525,384.

"Perodor"; for lotions to lessen excessive perspiration (3). By J. Marks, 105 Headstone Road, Harrow, Middlesex. 525,894.

"Thyranon"; for medicinal chemicals (3). By Naamlooze Vennootschaporganon Tot Bereiding Van Orgaanpreparaten Op Wetenschappelijken Grondslag, Kloosterstraat, Oss, Holland. 526,065.

"Alkalets"; for medicinal alkaline substances (3). By United Chemists' Association, Ltd., Priory Court, London Road, Cheltenham. 526,561.

"Hygeolene"; for medicated preparations (3). By The Hygienic Stores, Ltd., 143 Charing Cross Road, London, W.C.2. 526,644. (Associated.)

"Faculty"; for medicated wine (3). By Cooper & Co.'s Stores, Ltd., 8-38 Howard Street, Glasgow. 526,724. (Associated.)

"Castroids"; for laxative medicinal tablets (3). By Stotherts, Ltd., Albion Works, North Road, Atherton, Lancs. 526,753.

"Glaubotabs"; for tablets containing Glauber's salt (3). By The General Kaputine Syndicate, Ltd., Lilley Street, Queen's Road, Manchester. 526,794.

"Bartaka"; for powders for flatulence and indigestion (3). By R. J. Harrison, 8 Station Road, Walthamstow, E.17. 526,946.

"De-Ci De-La"; for perfumery, etc. (48). By Parfumerie Houbigant, Société Anonyme, 19 Rue du Faubourg Saint-Honoré, Paris. 527,175.

"Lemrinse"; for perfumery, etc. (48). By Idris, Ltd., 120 Pratt Street, Camden Town, London, N.W.1. 527,237.

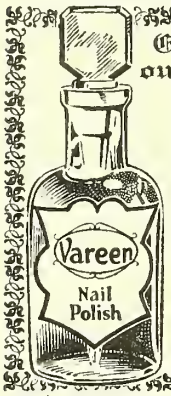
John Bell, Hills & Lucas Ltd.

TRIAD BRAND

EXTRACT OF MALT & COD LIVER OIL with CHERRY PARRISH'S FOOD

Send for sample & prices

Oxford Works, Tower Bridge Road, London, S.E.1



Greetings & Good Wishes to our Friends in the Drug Trade

"VAREEN"

Liquid Nail Polish.

Favourite Colours: Natural Rose, Pale Coral, Deep Rose White, Brilliant Rose, Etc.

NAIL POLISH
1/- size, 7/6 doz.
1/6 ,, 10/6 ,,
2/6 ,, 16/- ,,

POLISH REMOVER
1/- size, 7/6 doz.
1/6 ,, 10/6 ,,

CUTICLE CREAM
1/- size, 7/6 doz.
1/6 ,, 10/6 ,,

(FROM YOUR WHOLESALER)

Vareen Ltd., 82a Portobello Rd., London, W.11

Telephone No.: PARK 9951

THE COOPER LABORATORY CL

QUALITY PRODUCTS

TABLETS & PILLS

Standard or Special Formulæ, Packed or in Bulk

The NETTO——LYSOL

Cooper Laboratory *Watford*

Telegrams: "Science, Watford."
Telephone: Watford 612.

Felsol (Regd.)

for

Asthma

Continuous Propaganda conducted with the Medical Profession.

P.A.T.A. terms upon request.

BRITISH FELSOL COMPANY, LTD.
15, CAROLINE STREET, LONDON, W.C.1

S. V. R.

Write for Prices FOR **TINCTURES**

JAS. BURROUGH LTD. 1 Cale Distillery, LAMBETH, S.E.11

Tubes and vials of 24 Cat Units, retail 3/6

From Wholesalers, or the British Empire Agents,

UPSHER SMITH DIGITALIS TINCTURE TABLETS

MATTHEWS LABORATORIES, LTD., CLIFTON, BRISTOL, ENG

"The Chemist and Druggist"

COMPACT LIBRARY

PHARMACEUTICAL FORMULAS (P.F., Vol. 1). The tenth edition of this, the most complete pharmaceutical formulary in the English language, comprises (1) selected formulas from the British, United States, and several other pharmacopœias; (2) unofficial formulas from hospital pharmacopœias and other sources, British, colonial and foreign; (3) known, admitted and approved remedies (218 pages) taken from previous editions of "Pharmaceutical Formulas" and from THE CHEMIST AND DRUGGIST Diaries; (4) concise descriptions of practical methods of manufacture, adapted to the retail shop; (5) an Appendix comprising laws and regulations governing the sale of poisons, the hours of closing, medicine-stamp duty, the use of spirits and many other data —*e.g.*, a solubility table and chart. The volume contains 1146 pages. Price 15s., by post 15s. 9d.

PHARMACEUTICAL BOTANY. An attractively written book dealing with the plants mentioned in the examination syllabus of the various pharmaceutical examining bodies. Botanical terms which at first sight are forbidding in appearance are explained so that the meaning is made crystal clear. A useful gift for apprentices and assistants who have not passed the qualifying examinations. Price 5s., by post 5s. 4d.

THE ART OF DISPENSING. The tenth edition was published in 1926. It has been thoroughly revised and considerably improved, while maintaining the features which have made it so popular with several generations of students. All chemists should keep this book in the dispensary for ready reference when difficulties arise in the course of the day's work. Price 8s., by post 8s. 6d.

DISEASES AND REMEDIES. Now in its sixth edition (March, 1931). It has been carefully revised by an experienced medical practitioner and parts of the book have been rewritten. Price 5s., by post 5s. 3d.

Published by "The Chemist and Druggist"
28 Essex Street, LONDON, W.C.2

Branch Offices: Manchester and Sheffield, England. Glasgow, Scotland. Melbourne & Sydney, Australia. Auckland, New Zealand.

Information Department

INFORMATION WANTED

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated.

M/1612. Clarke's diabetic treatment
F/1612. Columbine powder puff
J/1012. Dr. Nicholl's Solar tincture
C/312. Kerkoff perfumes
T/1512. Liverdex
S/1412. Lillingston & Pearson's pneumo-thorax apparatus (London agents)
B/1512. Porox foot powder
E/1612. Sancrey liver extract
E/812. Stuart's calcium wafers
C/3011. Zincelpyt ointment

THE
CHEMIST AND DRUGGIST
VOL. CXV DECEMBER 19, 1931 NO. 2706

A Good Omen

ONCE again we have pleasure in announcing that a new issue of the *C. & D. Diary* is about to be dispatched to subscribers. The contents of each *Diary* are decided upon only after reviewing events of the past few months, the contents of previous *Diaries*, and with an eye to the future needs of the drug trade. It is, therefore, a happy augury that coinciding with the issue of the 1932 edition, in which a long article on "Opening a Pharmacy" appears (the *Diary* goes to press some weeks before publication), optimism is at last ousting the pessimism which has so long been predominant in business circles in this country. Expansion of established concerns and the erection of plant for the manufacture of articles hitherto imported have been welcome news items in the columns of THE CHEMIST AND DRUGGIST lately. This trend is bound before long to have a stimulating effect on retail trade and to result in increasing business and the opening of new businesses. The need for an up-to-date article on the equipping and conduct of a new business has been evident for a considerable time, and there are few persons engaged in pharmacy who will not learn something from reading it. The article has been specially contributed, and not only explains how to find a suitable locality to commence in, but also discusses the pros and cons of taking over an established business or opening a new one. Other matters dealt with include layout, how to make profits, salesmanship, window display, advertising, stock-keeping, and stocktaking. There is also suggested a series of lists for the opening order. So complex is the business of a chemist and druggist that hardly any transaction takes place—either wholesale or retail—without having to conform with the law in some respect. It is not surprising, therefore, that forensic pharmacy has always been a feature of the *Diary*—in fact, it was until comparatively recently the only readily accessible publication on the subject. The 1932 *Diary* is no exception, as we have dealt with such matters as the Merchandise Marks Act, 1926; the Food and Drugs (Adulteration) Act, 1928; Spirit Laws and Regulations; National Health Insurance; the Business Names Registration Act, 1916; and the Statutory Regulations on the Sale of Poisons in Great Britain, Northern Ireland and the Irish Free State. Special attention is directed to the first and the last of these, the one owing to the variety of articles affected by the Orders made since the passing of the Act; the other because the handling of poisons is the business of the pharmacist, and it is essential that when any difficulty arises regarding the restrictions on the sale of a particular product he should be able at once to consult authority. Likewise the chemist should have a thorough knowledge of, or handy reference to, poison antidotes and the treatment of poisoning, which subject is dealt with *in extenso*. As a work of reference the *C. & D. Diary* is unique, for, in addition to the above, other useful information given in the 1932 edition includes a list of drug-trade organisations with the names and addresses of the secretaries; income tax; patents, designs and trade marks; postal information, the names and addresses of public offices and associations; and such duties as are levied by the Customs and Excise. Another section of interest to all subscribers is the list of Metropolitan medical institutions, giving their names and the times of attendance. As the literary pages of the *Diary* went to press a few weeks ago, we give here the latest details regarding the newly-elected officers of local organisations:—

Edinburgh and District Chemists' Trade Association: *Pres.*, John M. Chalmers; *Sec.*, John R. Wilson, 162 Easter Road, Edinburgh.

Ipswich Branch of the Retail Pharmacists' Union: *Chairman*, S. J. Stearn; *Sec.*, L. Piper, 47 St. Nicholas Street, Ipswich.

We desire also to express our thanks to E. Pollard & Co., Ltd., and to Ayrton, Saunders & Co., Ltd., for the information they have supplied to the author of "Opening a Pharmacy." A by no means unimportant section of the *Diary* is the advertisements, and it may be pointed out that here again there is a distinct note of optimism, for the publisher tells us that the number of advertisers is in excess of the previous year's. This means that the Buyer's Guide and the Trade Directory are more complete than ever, so that the *Diary* will, we trust, prove as useful to our subscribers as its predecessors.

Another Aspect of Gift Schemes

WE have received protests from several of our readers against a practice apparently growing among certain manufacturers who have adopted gift schemes to help the sale of their goods. These firms will supply the "gifts" with current orders for their goods, but they refuse to consider the position of those who hold stock purchased before the scheme was initiated. Let us consider what this refusal means. It is an unwritten law with manufacturers that a speciality bearing their name carries with it a certain guarantee. Thus, if it deteriorates, or for some reason inherent in the preparation becomes unsaleable, the manufacturer will exchange or credit—with certain safeguards, of course. If the price is reduced, either an allowance is made for all stocks held by the chemist when such reduction takes place, or sufficient notice is given to allow of stocks being cleared at the old price before the new price operates. To present a "gift" with an article is to reduce its price to the public; and those chemists who hold stocks purchased before the "gift" scheme came into being should either receive an equivalent number of "gifts" free from the manufacturer, or a credit equal to the value of the "gifts." We understand that one of the manufacturers concerned has been approached on the subject, but declines to discuss the merits of the question and takes refuge in generalities which really do not affect the case. It will be noticed that we are not here discussing "gift" schemes generally. The subject which has now been brought to our notice is an aspect of such schemes deserving the prompt and sympathetic attention of those manufacturers who hitherto have refused to consider the claims of their customers regarding it.

Pharmacopœia Commission

Report of Ergot Subcommittee

The Pharmacopœia Commission have received from the Subcommittee on Ergot a report with a request for publication. Although but a short time remains in which it will be possible for the Commission to deal with any suggestions for alterations in the draft of the Pharmacopœia, the Commission will be glad to receive suggestions and to give them careful consideration with a view to such action as may be possible in the time available.

THE report of the Subcommittee on Ergot of the Pharmacopœia Commission has been issued (price 1s. 6d.) at 44 Hallam Street, London, W.1. The extensive investigations leading to the conclusions reached and the tests adopted for recommendation may be summarised quite briefly. For reasons stated in the report, the Subcommittee began by investigating the chemical test devised by Dr. A. W. Forst, to whom indebtedness is expressed, in comparison with the physiological method of Broom and Clark. The recent quantitative colorimetric reaction of Dr. M. I. Smith next received attention, and much work had to be undertaken in order to ascertain the balance between ergotoxine and ergotinine in various samples, the margin of error in observation and other factors.

Summary of Conclusions

The conclusions reached by the Subcommittee concerning the principal questions which have occupied their attention are as follows:—

(1) That ergotoxine is to be regarded as the active principle for which ergot preparations are administered, and that all preparations should be standardised from this view-point.

(2) That the colorimetric method carried out as recommended permits an accurate estimation of total alkaloid in ergot and in liquid extract of ergot.

(3) That the colorimetric method has advantages over gravimetric methods, in that smaller amounts of material suffice and the assay is more quickly completed.

(4) That the biological methods are subject to a considerable margin of error, and the evidence is that this margin is at least as great as that due to the variation in the relative proportion of ergotoxine and ergotinine in the total alkaloid.

(5) That there is a very wide variation in the alkaloidal content of ergot of rye, and it is therefore additionally important to fix a standard for the alkaloidal content of liquid extract of ergot and prepared ergot.

(6) That the following standards should be adopted:—

Extractum Ergotæ Liquidum	0.05 per cent. of total alkaloid ± 0.01 per cent.
Ergota Præparata	0.1 per cent. of total alkaloid ± 0.02 per cent.

Tests

The sulphuric acid method of testing is recommended for official adoption, but both methods are given. They are as follows*:—

Sulphuric Acid Method

Assay of Ergot.—Extract 5 grams, in No. 60 powder, by percolation with cold *light petroleum (boiling-point, 40° to 50°)* until the fat is completely removed. Dry the extracted drug at a temperature not exceeding 30°, transfer to a stoppered flask, add 100 millilitres of *anæsthetic ether* and allow to stand for ten minutes. Add 0.5 gram of *light magnesium oxide* diffused in 20 millilitres of *water*, and shake the mixture at intervals during thirty minutes; add 1.5 gram of powdered *tragacanth*, shake vigorously, and filter off through a plug of cotton-wool 50 millilitres of the ethereal liquid, representing 2.5 grams of the drug. Transfer to a separator, and shake with four successive 10-millilitre portions of a 1-per-cent. w/v solution of *tartaric acid* in *water;* separate and mix the aqueous liquids, transfer to a porcelain dish, remove the dissolved ether by gentle warming in a current of air, and add sufficient *water* to produce 40 millilitres or other suitable volume. To 2 millilitres add, with constant agitation, 1 millilitre of *solution of dimethylaminobenzaldehyde*, making the addition drop by drop from a pipette and cooling so as to avoid undue rise of temperature, and expose to bright light until the blue-violet colour which is produced reaches a maximum. At the same time, and in exactly the same manner, to 2 millilitres of a freshly prepared 0.006-per-cent. w/v solution of *ergotoxine ethanesulphonate* in a 1-per-cent. w/v solution of *tartaric acid* in *water* add 1 millilitre of *solution of dimethylaminobenzaldehyde*, and expose to the same source of light for the same length of time. Measure the blue colour produced in each solution and calculate the amount of alkaloid from the proportional intensities of the blue component of the colours. The acid solution of the alkaloids should be suitably diluted so that the colour produced during the test is approximately equal to that produced in the solution of ergotoxine ethanesulphonate.

Dimethylaminobenzaldehyde is *paradimethylaminobenzaldehyde* $(CH_3)_2N.C_6H_4CHO$, of Reagent purity.

Solution of dimethylaminobenzaldehyde is a 0.25-per-cent. w/v solution of *dimethylaminobenzaldehyde* in *sulphuric acid.*

Assay of Liquid Extract of Ergot.—Introduce 5 millilitres into a separator, add 50 millilitres of *water*, render slightly alkaline with *dilute solution of ammonia* and extract with four successive portions of 40, 25, 20 and 15 millilitres of *anæsthetic ether.* Wash the united ethereal liquids, using three successive portions of 25 millilitres of *water* mixed with 0.2 millilitre of *dilute solution of ammonia,* then wash once with 25 millilitres of *water.* Complete the assay as directed above, beginning with the words . . . "shake with four successive 10 millilitre portions of a 1-per-cent. w/v solution of *tartaric acid* in *water.*"

Hydrochloric Acid Method

The hydrochloric acid modification of the colour test employing the liquid extract can be carried out without precautions in regard to heat. The following are the conditions which have been found to be most satisfactory when hydrochloric acid is used:—

Transfer 5 millilitres of the liquid extract to a separator and add 20 millilitres of a 1-per-cent. w/v solution of *sodium bicarbonate* in water. The mixture should be alkaline to *litmus.* Extract with four successive quantities of *anæsthetic ether,* using 40 millilitres for the first, 25 millilitres for the second and third, and 15 millilitres for the final extraction. Unite the ether extracts and wash with 10 millilitres of 1-per-cent. aqueous solution of *sodium bicarbonate.* Reject the aqueous layer and extract the ether with 15 millilitres of a 1-per-cent. w/v solution of *tartaric acid* in *water.* Draw off the acid layer and repeat the extraction twice more, using 10 millilitres of tartaric acid solution each time. Bulk the acid aqueous liquids and remove dissolved ether by warming gently in a current of air, cool, make up to a suitable volume and apply the colour test, using the hydrochloric acid reagent. The acid solution of the alkaloids should be suitably diluted

* The use of italics indicates that the substance or solution is defined in an Appendix to the Pharmacopœia

so that the colour produced during the test is approximately equal to that produced in the solution of ergotoxine ethanesulphonate.

The procedure for applying the test using hydrochloric acid is as follows:—

Measure 1 millilitre of the aqueous tartaric acid solution of the alkaloid into a vial and add from a pipette 2 millilitres of a 0.1-per-cent. solution of *dimethylaminobenzaldehyde* in *hydrochloric acid*. Mix and expose to a bright light and, when the violet colour has developed to a maximum, compare it by means of a colorimeter with the colour produced by 1 millilitre of a 0.006-per-cent. solution of *ergotoxine ethanesulphonate* in a 1-per-cent. solution of *tartaric acid* in *water* which has been similarly treated. This standard solution should be freshly prepared and the ergotoxine ethanesulphonate first dried over phosphorus pentoxide. Pure dry ergotoxine ethanesulphonate contains 83.6 per cent. of ergotoxine.

Extract and Other Preparations

During the discussions which took place before the work of Dr. M. I. Smith on the colour test was known it was provisionally decided to recommend that the strength of the official extract should correspond to 0.03 per cent. of ergotoxine. A higher strength than this, 0.05 per cent., was first considered, but after lengthy consideration it was decided that this was too great. The evidence before the Subcommittee suggests that 60 to 70 per cent. of the total alkaloid consists of ergotoxine. Consequently an ergotoxine percentage of 0.03 is equivalent to a total alkaloid percentage of 0.05.

For the preparation of liquid extract the Subcommittee agreed at the outset that in general the method should follow that of the United States Pharmacopœia. According to this the drug is powdered and percolated with petroleum spirit to remove fat; the powder is then dried in warm air to carry away the petroleum spirit. Instead of the hydrochloric acid required in the U.S.P., the Subcommittee are of opinion that tartaric acid is preferable and recommend a menstruum of alcohol (50 per cent. v/v) containing 1.0 per cent. of tartaric acid. The dry powdered drug is allowed to macerate with a portion of this menstruum for six hours, and then is percolated with further portions of the menstruum. It has been shown by Wokes and Elphick that if percolation is carefully performed the whole of the activity is obtained in the percolate when six volumes of percolate are obtained for each part by weight of defatted powder taken. Concentration even *in vacuo* at low temperature always involves some loss of activity, and may involve very considerable loss, so that it is to be avoided as far as possible.

The Subcommittee were aware that the use of powdered ergot administered in capsules is slowly coming back into medicine, and considered that ergot for this purpose should be recognised in the Pharmacopœia. It was recommended that the ergot be powdered and defatted and that it should contain 0.1 per cent. of total alkaloid ± 0.02 per cent. A dose of 0.15 gram of this powder would then contain about 0.1 milligram of ergotoxine.

To replace the Hypodermic Injection of Ergot of the present Pharmaopœia the Subcommittee recommend that ergotoxine be included in the form of the ethanesulphonate, which has now ceased to be a patented substance. It is a more stable and more easily soluble salt than the phosphate, and its inclusion would furnish the definition of the standard to be used in the assay by the colour test as well as a suitable salt for hypodermic use.

Edinburgh Evening Meeting

THE opening meeting of the winter session of the North British Branch of the Pharmaceutical Society was held at 36 York Place, Edinburgh, on November 20, Mr. J. B. McVitae (chairman of the Executive) presiding.

In introducing Dr. J. R. Milne (lecturer on Natural Philosophy in Edinburgh University), the CHAIRMAN said he was a distinguished member of the University staff in the department of physics He was also a popular member of the Board of Examiners for Scotland. The subject he had chosen was one on which he was particularly fitted to speak. He had pleasure in calling upon Dr. Milne to give an address entitled

The New Outlook in Physics

[ABSTRACT]

PROGRESS made in the study of the natural sciences affects mankind in two ways; it affords intellectual interest, and it ministers to material wants. It can confidently be said of physics that the attention devoted to it has brought forth a rich harvest in both these directions. It so happens that one of the new theories, that which will always be linked with the name of Einstein, is so remarkable in its challenge to our ordinary ways of thinking as to compel attention from the outset.

The beginning of the matter may be traced back to the overthrow of the corpuscular theory of light, a theory which had only been accepted by Newton because of the apparent impossibility of reconciling the alternative idea of wave motion with the well-known fact of the rectilinear propagation of light. When Young and Fresnel at last overcame this objection, and placed the wave theory in an apparently unassailable position, it became necessary to consider in what medium the waves existed, that is to find the light carrying vehicle. The search for a luminiferous ether thus begun has lasted until almost the present day; it has occupied the energies of some of the most famous physicists; and it has constituted the greatest and most formidable problem of its time.

Early in 1905 a paper was published by a young man of twenty-six named Einstein, which threw an entirely new light on such problems, and which ushered in the reign of relativity. No longer were these difficulties to be overcome by ingenious hypotheses about matter, or by highly skilled mathematical analysis: it was necessary to alter our fundamental ideas about space and time. Einstein lays down two postulates. The first states that it is impossible to detect uniform motion through the ether; the second, that in all forms of wave motion the velocity of propagation of the wave is independent of the velocity of its source. As regards the first postulate, it is clear that we can make no direct determination, because there is no way of making a "mark" on the ether from which to judge the progress of any moving object: and the indirect determinations made by Michelson and the other experimenters have uniformly failed to give any positive information. As regards the second postulate, we know it to be true with respect to waves in all tangible media, and hence it also suggests itself as true with respect to waves in the ether. The adoption of a physics based on Einstein's foundations will remove the difficulty raised by the Michelson-Morley experiment, but that fact in itself will, of course, be no guarantee of the correctness of the new theory, for it was devised expressly for the purpose. Only by a comparison of the new physics with the old, and a recourse to crucial experiment where they differ, can the matter be decided.

The restriction which has just been mentioned, that of uniform motion, is inherent in what is termed the special or restricted theory of relativity; the general theory in which this restriction is removed was worked out later. So difficult did the undertaking prove that although Einstein published his restricted theory in 1905, it was not until 1915, ten years later, that he completed the general theory. The theory includes a complete account of gravitation, a matter which has hitherto been an impenetrable mystery, lacking even the beginnings of an explanation. And the theory has furnished means by which its truth can be tested.

Corner for Students

Conducted by Leonard Dobbin, Ph.D.

Communications should be addressed "Corner for Students, 'The Chemist & Druggist,' 28 Essex Street, London, W.C.2."

(*Concluded from C. & D., December 12, p. 710.*)

Samples of the powder were distributed to fifty-six students and thirty-five reports on analysis were returned. The carbonic acid radical was the only constituent detected in every instance. The failures in the detection of the metallic radicals were:—Bismuth, 5; zinc, 9; barium, 14. Mention of the liberation of water on heating the powder in a dry tube was absent from twenty-three reports. Some of the substances already mentioned as impurities were reported in a number of cases, but not infrequently as if they were main constituents and present in relatively large proportion. Manganese was reported by five students, but only by one as the minute trace which was really present.

This was not a difficult exercise, inasmuch as separations within the analytical groups of the metallic radicals were not involved, and the numerous failures were at once a surprise and a disappointment. When bismuth was missed this was usually owing to the original solution in hydrochloric acid having been treated with hydrogen sulphide when the acid present was too concentrated or when the solution was hot, so that the bismuth remained dissolved instead of being precipitated as sulphide. In one instance in which the precipitate was duly produced, it was mistaken for lead sulphide. Zinc was commonly missed in consequence of a precipitate not having been observed when ammonium hydrosulphide was added as group reagent. Probably the reagent was added to very dilute solutions, when precipitation might only be gradual and the precipitates, when formed, be dispersed and inconspicuous, so that they might be overlooked on casual observation, or conclusions might be arrived at too hastily. As regards barium, it is difficult to attribute the numerous failures to any other probable cause than extreme dilution of the solutions at the stage at which ammonium carbonate was added as group reagent. Assuming that the failures noted were due, as a rule, to the causes mentioned, the particular lines to be followed in order to avoid their recurrence are plainly enough indicated. The matter of highly dilute solutions is to be met by evaporation, while that of too high acid concentration may be remedied by adequate dilution, by partial neutralisation, or by boiling off much of the free acid. Close and careful observation is necessary at all times, and failure to exercise this is responsible for many incorrect conclusions. Reference to close observation recalls a fact connected with the present analysis which illustrates the need for its more general practice. As already mentioned, the powder contained a distinct trace of the sulphuric acid radical, and in consequence, when treated with hydrochloric acid, a small amount of barium sulphate remained undissolved and rendered the acid solution turbid. This turbidity was reported by only four students, all the others simply stating that the powder dissolved in hydrochloric acid.

Uncertainty often arises owing to students omitting to make any reference to the mode of preparation of the solutions which are being tested for acidic radicals. The fullest statement as to this should always be made in order to ensure that full credit may be obtained for the various observations made and the conclusions deduced from them.

To Correspondents

B. Mulrooney.—The slight precipitate formed on adding ammonium chloride and ammonia as group reagents was due to traces of bismuth.

D. White.—Absence of strontium and calcium should have been established by further tests than the observation of the flame colouration.

Marienbad.—Your otherwise meritorious report was distinctly marred by what you described as confirmatory tests for methods. You do not mention what kind of solution the several reagents were added to in these tests. If they were added to the original hydrochloric acid solution of the powder they could not give indications of value concerning zinc and barium, whereas if they were added to appropriate solutions the nature of these should have been clearly stated.

Acides.—The reaction which led you to suspect a sulphide was possibly due to the action of silver nitrate on a hot solution containing sodium carbonate. Silver carbonate darkens in such a solution.

Avro.—The reactions which seemed to indicate an oxalate may have resulted from adding reagents to sodium carbonate extract which had not been completely neutralised with nitric acid.

Giafar.—Testing for lead in the hydrogen sulphide precipitate should not have been omitted, even although there was no Group I precipitate. Little credit can be given for a report of "probably zinc"; a definite conclusion should be stated.

A. F. W.—We do not place any reliance upon tests for potassium which involve the addition of liquid reagents to original substances before any separations have been made; and, in any case, we fail to follow, from the slender indications that you give, the tests from which you concluded that potassium was absent.

Skolto, D. Morrison and Galena.—The addition of barium chloride to the hydrochloric acid solution of the powder, as a test for a sulphate, could not produce a precipitate of barium sulphate, since the solution already contained much barium chloride.

J. A. Henderson.—It was not sufficient merely to recognise bismuth in the hydrogen sulphide precipitate; the absence of other metallic radicals should have been proved.

Jay-Tee.—It does not appear from your report why you omitted to test for members of the barium group in the filtrate from the zinc sulphide.

30-98.—You disposed much too summarily of the possible presence of acidic radicals other than that of carbonic acid.

Zingib.—You definitely state that you neglected the filtrate from the zinc sulphide, but give no explanation. This filtrate contained the barium and might have contained magnesium and alkali metals.

G. H. Harrison.—You added magnesium sulphate to the hydrochloric acid solution of the powder and obtained a white precipitate which you state proved a carbonate to be present. This precipitate consisted of barium sulphate and had no relation to the presence or absence of a carbonate.

Nyasa.—Testing the hydrogen sulphide precipitate for members of the arsenic group should not have been omitted. You gave no evidence in support of the presence of a trace of lead

E. K.—Although the hydrogen sulphide precipitate was black, you reported it as having been due to antimony. Consider this.

Primus Tempus.—We failed to observe anything resembling a violet vapour on heating the powder with concentrated sulphuric acid. (Note that your latinity is not flawless.)

Nitrosyl.—Practise upon a similar mixture until you can get clear evidence of the presence of each constituent.

W. A. Broad.—The trace of chloride present was too small to yield chlorine in quantity sufficient to be recognised by its colour. Examine the manganese dioxide that you employ, to see if it does not yield chlorine in a blank test.

Tiglic.—A much more complete preliminary examination should have been made. A solution of ammonium molybdate which yields a white precipitate (of molybdic acid) when added to a nitric acid solution, is not an appropriate reagent to use in testing for phosphate.

William.—The supposed sulphur dioxide was really hydrochloric acid, but we doubt its having had any recognisable effect on potassium dichromate.

Test Tube.—You omitted to give any account of the solution which might have contained metals of the arsenic group; also you omitted to report on preliminary tests.

Trade Report

Where possible scales of prices of chemicals are given for bulk down to small quantities. Prices recorded for crude drugs, essential and fixed oils and coal tar products are for fair sized wholesale quantities. Qualities of chemicals, drugs, essential and fixed oils, etc., vary, and selected brands or grades would be at higher values

28 Essex Street, W.C.2, December 17

COMPARED with the disturbed conditions and violent movements of the past two months the markets have been rather featureless this week. This is due to the steadier tone in international rates of exchange and to the fact that the adjustments in values to meet the new conditions have now been completed. The general tone is very steady, there being no evidence of cheap spot sellers of any commodities. The further recovery in sterling has confirmed the confidence in the £, and it is realised that the rates of some foreign currencies are not justified when compared with sterling. The effect of the Japanese move from the gold standard has been peculiar, inasmuch as the chief lines of interest from that source have held firm and moved to rather higher values. Japanese peppermint oil and menthol are instances. Business is as good as can be expected, and is, of course, mostly restricted to spot transactions. In pharmaceuticals, iodides are cheaper; benzoates tend to be firmer, and shipment prices from the Continent tend to ease with the sterling recovery. In crude drugs, business has been fair on small lines, and generally the markets are fully steady. Japanese menthol is dearer and firm for shipment. Ipecacuanha, after some weeks of dull markets, tends easier. Pepper is a shade easier. Japanese wax is firm, while Japanese camphor is easier for shipment. In the essential oil section, business seems to have been rather restricted, and, with isolated exceptions, values tend to become unsteady. Sicilian oils as a whole are irregular at the close, with shipment reports indicating easier conditions. Ceylon citronella is firm and dearer on a short market, while the Java oil is easier. Wormseed oil is cheaper on spot. A very satisfactory business is being done in some coal-tar products, while others are neglected. Pure toluol and xylol are dearer. Cresylic acid is very quiet. In fixed oils, business has been patchy, and at all times difficult. The general tone is fairly steady, with values on a slightly lower level. Palm oils have slumped badly, and castor oil is easier. American turpentine is not so firm and is quoted cheaper, and linseed oil is again weaker.

Exchange Rates on London

THE following is a list of the chief Continental and other exchange rates at the opening on Thursday morning:—

Centre	Quoted	Par	Dec. 17	Value of the £
Amsterdam ..	Fl. to £	12.107	8 5/8	14/2 3/4
Berlin.. ..	Mks. to £	20.43	14 1/2	14 2 1/2
Brussels ..	Belga to £	35	24 3/4	14/1 1/2
Copenhagen ..	Kr. to £	18.159	18 1/8	19 11 1/2
Lisbon ..	Esc. to £	110	110	20/0
Madrid ..	Ptas. to £	25.22 1/2	40 1/2	32 6 1/2
Milan	Lire to £	92.46	67 3/4	14 7 1/2
Montreal ..	Dol. to £	4.86 2/3	4.27	17 6 3/4
New York ..	Dol. to £	4.86 2/3	3 46 1/8	14/2 3/4
Oslo	Kr. to £	18.159	18 1/2	20/4 1/2
Paris	Fr. to £	124.21	87 7/8	14/1 1/2
Prague ..	Kr. to £	164.25	115—117	14/8
Stockholm ..	Kr. to £	18.159	18	19 9 3/4
Warsaw ..	Zloty to £	43.38	31	14/3 1/2
Zurich ..	Fr. to £	25.2215	17 11/16	14/0 1/4

Bank rate 6 per cent.

Pharmaceutical Chemicals, etc.

A FAIRLY satisfactory volume of business continues to be transacted on spot, with the general tone of the market fully steady. The improvement in sterling has, so far, made but little difference to the position, except that Continental offers are a little easier, but business is very limited in this direction. Iodides are cheaper. Benzoates tend firmer. Bromides are steadier. Continental competition in salicylates is negligible. Lactic acid tends firmer.

ACETANILID.—Some small business has been done; market steady: B.P. crystals and powder, 1s. 5 3/4d. to 1s. 9d. per lb., as to quantity.

AMIDOPYRIN.—Dealers' prices for material to come forward vary with exchange rates; spot offers are at about the following figures: crystals, five cwt., 17s. 4d.; two cwt., 17s. 9d.; less than two cwt., 18s. per lb., with powder 2d. per lb. extra.

AMMONIUM ICHTHOSULPHONATE.—Prices have been revised: one cwt., 1s. 8d., in 1-lb. tins; 1s. 6½d. in 14-lb. tins, and more for smaller lots.

ASPIRIN.—Home makers are doing the bulk of a satisfactory volume of business. The market is fully steady. Home trade: ten cwt., 2s. 7d.; five cwt., 2s. 8d.; one cwt., 2s. 8½d.; 28 lb., 2s. 9d.; 14 lb., 2s. 10d.; 7 lb., 3s.; 1 lb., 3s. 4d. per lb. Export to Colonies and British Possessions: ten cwt., 2s. 7d.; five cwt., 2s. 8d.; one cwt., 2s. 8½d. per lb. f.o.b.: less than one cwt., 2s. 9d. per lb., ex works.

BARBITONE.—Dealers' prices are on a higher level for spot, and forward prices vary with exchange rates: spot, one cwt., 9s. 9d.; smaller parcels, up to 10s. 3d. per lb.

BENZOIC ACID (B.P.) continues fully steady and business is fair: quantities, ex works, 1s. 10d. to 1s. 10½d.; spot parcels, 1s. 11d. to 2s. 2d. per lb., ex store.

BISMUTH SALTS.—Makers' prices are as follows, and are subject to alteration with metal values:—

——	8 lbs. and under 28 lbs.	28 lbs. and under 1 cwt.	Not less than 1 cwt.
	Per lb. s. d.	Per lb. s. d.	Per lb. s. d.
Carbonate ..	9 1	8 7	8 4
Citrate	10 7	10 1	9 10
Nitrate cryst. ..	6 2	5 8	5 5
Oxide	12 8	12 2	11 11
Salicylate ..	9 1	8 7	8 4
Subchloride ..	12 3	11 9	11 6
Subgallate ..	8 7	8 1	7 10
Subnitrate ..	7 8	7 2	6 11

A rebate of 3d. per lb. on sales of not less than two cwt. (either for prompt delivery or on contract), provided delivery is completed or paid for within three months. Liquor bismuthi, P.B., in W-qts., 1s. 2½d. per lb.; in six W-qts., 1s. per lb.; in 12 W-qts., 10½d. per lb.; in 36 W-qts., 10d. per lb. Without engagement.

BROMIDES.—Home makers' prices are now steady and Continental competition is seldom in evidence. Business is only moderate: ammonium, five cwt. and over, 1s. 6d.; one cwt., 1s. 7d.; less than one cwt., 1s. 10d.; potassium, B.P. crystals and granular, five cwt. and over, 1s. 3d.: one cwt., 1s. 4d.; less than one cwt., 1s. 7d.; sodium, B.P., five cwt. and over, 1s. 5d.; one cwt., 1s. 6d.; less than one cwt., 1s. 9d. per lb., and slightly less for bulk quantities.

CAFFEINE.—This market is very steady and a fair business has been done: pure alkaloid, 8s. to 8s. 3d. per lb.; citrate, 6s. 4d. to 6s. 6d. per lb.

CHLORAL HYDRATE.—Home makers' prices lead the market, which continues steady: duty-paid crystals, 2s. 11½d. to 3s 1½d. per lb. as to quantity and packing.

CITRATES.—Makers' prices are as follows: potassium citrate, B.P., 1s. 7d.; sodium citrate, B.P.C., 1932, 1s. 8d.; ferri ammon. cit., B.P. (brown), 1s. 9d. per lb., in 28-lb. lots; 7-lb. lots, 5d. per lb. dearer.

CITRIC ACID (B.P. CRYSTALS).—Dealers' prices tend to advance, with quotations now at 1s. 1d. to 1s. 1½d. per lb., less 5 per cent., carriage paid. British makers quote 1s. 1d. per lb., less 5 per cent. discount.

COCAINE.—Convention prices are unchanged: hydrochloride, 25 oz., 20s. 11d.; 16 oz., 21s. 7d.; and less, 22s. 3d. per oz.; pure, 22s. 11d. up to 24s. 4d. per oz.; 1-oz. tins, 2½d. extra.

CREAM OF TARTAR.—The market for foreign material is steady as quoted from 97s. 6d. and upwards per cwt., less 2½ per cent., carriage paid. British makers quote 99 to 100 per cent., 98s. 6d. per cwt., less 2½ per cent. discount.

CREOSOTE (B.P.).—Dealers' quotations for shipment are much dearer on account of an advance by Continental makers: quantities, in demijohns, 1s. 11d. per lb.; smaller lots, up to 2s.

FERRI QUININE CITRATE.—Makers' prices continue at the advance recorded last week: in 100-oz. tins, 9¾d. per oz.; in 25-oz. tins, 10d. per oz.; in 16-oz. bottles, 10¼d. per oz.; in 8-oz. bottles, 10½d. per oz.; in 4-oz. bottles, 10½d. per oz.; in 1-oz. bottles, 11¾d. per oz.; in ½oz. bottles, 1s. 2¾d. per oz. Special prices for quantities on application.

GUAIACOL CARBONATE is dearer to arrive in the region of 7s. 9d. to 8s. per lb., and varies with exchange rates. Some spot material may be available at cheaper prices.

HEXAMINE.—Business continues on a good scale and dealers' prices are steady: free-running crystals, spot, from 2s. 8d. to 2s. 10d. per lb., as to quantity.

HYDROQUINONE.—The recent advances are maintained; market dull: ten cwt., 4s. 8¾d.; five cwt., 4s. 9½d.; two cwt., 4s. 10¼d.; one cwt., 4s. 10¾d.; 56 lb., 4s. 11¾d.; 28 lb., 5s. 1¾d.; 14 lb., 5s. 3½d.; 7 lb., 5s. 5½d.; 1 lb., 6s., carriage paid.

IODIDES.—With the improvement in sterling, makers' prices have been reduced as follows: Potassium iodide, B.P., one cwt., 23s. 10d.; 28 lb., 24s. 1d.; 14 lb., 24s. 4d.; 7 lb., 25s. 4d.; 4 lb., 26s. 1d.; smaller quantities, 26s. 10d. per lb. Sodium iodide, B.P., 28 lb., 26s. 11d.; 14 lb., 27s. 5d.; smaller quantities, 27s. 11d. per lb. Iodine resub., B.P., one cwt., 27s. 6d.; 28 lb., 27s. 9d.; 14 lb., 28s. 3d.; smaller quantities, 28s. 9d. per lb. Iodoform, B.P. cryst., precip. or powder, 28 lb., 30s. 9d.; 14 lb., 31s. 3d.; smaller quantities, 32s. per lb. In quantities of not less than one cwt. (which may be taken assorted) containers of 28 lb. and outer packages are free, carriage paid. Under present conditions contracts are not accepted, but rebates from 3d. per lb. to 5d. per lb. apply to quantities of five cwt. or more, if taken in one or more deliveries over four months. Deliveries will be invoiced at the rates current on the day on which order is received, or on the date of despatch, which ever may be the lower. Quoted without engagement.

LACTIC ACID (B.P.).—Continental material to come forward will be dearer and non-competitive with the reimposition of Key industry duty on January 1 next. Spot is being held at full rates. Makers' prices are firm at about 1s. 4¾d. to 1s. 6d. per lb., as to quantity.

MERCURIALS.—Makers' prices are as follows and are liable to fluctuate with metal values:—

—	Under 112 lb.	Not less than 112 lb.
	Per lb. s. d.	Per lb. s. d.
Ammoniated lump, B.P. (white precip).	6 10	6 9
,, powder, B.P.	7 0	6 11
Bichloride lump, B.P. (corros. sub.) ..	6 3	6 2
,, powder, B.P.	5 9	5 8
Chloride, B.P. (calomel)	7 1	7 0
Red oxide cryst., B.P. (red precip.) ..	8 6	8 5
,, ,, levig., B.P.	8 0	7 11
Yellow oxide, B.P.	7 9	7 8
Persulphate white, B.P.C.	6 9	6 8
Sulphide black (hyd. sulph. eum sulph. 50 per cent.)	6 4	6 3

Without engagement. Special prices for larger quantities and for contracts deliverable during three months.

METHYL SALICYLATE (B.P.).—Home makers are doing most of the business; imported material is barely competitive: one ton and over, 1s. 4½d.; five cwt., 1s. 4¾d.; one cwt., 1s. 5d.; less than one cwt., 1s. 6d. per lb.; small lots in bottles, up to 2s. per lb.

METHYL SULPHONAL.—Dealers' prices for material to come forward are dearer at 18s. 2d. for two-cwt. lots up to 20s. 6d. per lb. for small parcels of crystals. Some spot material may be slightly cheaper.

METOL.—Prices have been advanced as follows: 56 lb., 9s. 3d.; 28 lb., 9s. 6d.; 14 lb., 9s. 9d.; 7 lb., 10s. 6d. per lb., in tins, carriage paid; 1-lb. bottles extra.

MILK SUGAR.—The market is about steady; business has been fair: one ton, 60s.; ten cwt., 61s.; two cwt., 62s., per cwt., in two-cwt. cases.

PHENACETIN.—The market continues about steady with dealers quoting spot close up to the replacement figures of 5s. 6d. to 6s. per lb., as to quantity, with powder 2d. per lb. extra.

PHENAZONE.—Spot material is steady at very little under the rates quoted for shipment, which vary with rates of exchange: crystals, ten cwt., 9s. 4d.; five cwt., 9s. 5d.; two cwt., 9s. 7d. and less, 10s. per lb., with powder 2d. per lb. extra.

PHENOLPHTHALEIN.—Home makers' prices are very keen; imported material not competitive: ten cwt., 4s. 4d.; two cwt., 4s. 6d.; less than two cwt., 4s. 9d. per lb.

PHENYL ETHYL BARBITURIC ACID is quoted in the region of 30s. per lb., in 2-lb. bottles.

PIPERAZINE.—Dealers' prices are quoted as follows: in 8-oz. bottles, 40s. 9d.; in 1-oz. bottles, 46s. 10d. per lb., with lower prices for quantities.

POTASSIUM PERMANGANATE (B.P.) is quoted by dealers at about 7d. to 7½d. per lb., for quantities in drums down to druggists' parcels.

POTASSIUM SULPHOGUAIACOLATE is dearer to arrive at 4s. 4d. to 4s. 7d. per lb.; spot may be slightly cheaper.

QUININE SULPHATE.—The Convention price is so far unchanged at 2s. 6d. per oz. for bulk quantities, carriage paid. Some offers may be slightly cheaper.

RESORCIN.—Market is dull but fully steady: crystals, one cwt., 4s. 1d.; 56 lb., 4s. 2d.; 28 lb., 4s. 3d.; smaller parcels, up to 5s. per lb.

ROCHELLE SALTS.—Makers' prices are unchanged: five cwt. or over, in one delivery, 77s. 6d.; less than five cwt., 80s.; less than one cwt., 82s. 6d. per cwt., carriage paid. Pulv. seidlitz, five cwt. or over, in one delivery, 62s. 6d.; less than five cwt., 64s. 3d.; less than one cwt., 66s. 3d.; double, 68s. 9d., 71s. and 73s., carriage paid.

SALICYLIC ACID (B.P.).—Home makers' prices are steady; Continental material not offering: one ton, 1s. 5d.; ten cwt., 1s. 5½d.; five cwt., 1s. 6d.; one cwt., 1s. 6½d.; small parcels, up to 2s. per lb.

SALOL.—Forward delivery prices are firm and are liable to move with the exchange rates; spot is quiet: to arrive, crystals, two cwt., 5s. 5d.; one cwt., 5s. 7d.; 56 lb., 5s. 8d.; smaller parcels, 5s. 9½d. per lb.; powder, 2¼d. per lb. extra.

SANTONIN.—The market is quiet but steady: five kilos, £48 15s.; one kilo, £49 10s. per kilo.

SODIUM BENZOATE (B.P.) continues in moderate demand and prices tend to be slightly dearer: one ton, 1s. 8½d. up to 1s. 10d. per lb., for small parcels.

SODIUM DIETHYLBARBITURATE is irregular on spot with prices in the region of 10s. 6d. to 11s. per lb., as to quantity.

SODIUM SALICYLATE (B.P.).—Home makers are in a strong position, the Continental offers being barely competitive. As quoted, the market is fully steady: home trade powder, two tons, 1s. 10d.; one ton, 1s. 10½d.; ten cwt., 1s. 11d.; five cwt., 1s. 11½d.; one cwt., 2s.; 28 lb., 2s. 1d.; 14 lb., 2s. 3d.; 7 lb., 2s. 4d.; 1 lb., 2s. 5d. per lb., with crystals 1d. per lb. extra.

SULPHONAL.—Dealers' prices for material to come forward are dearer: crystals, two cwt., 15s. 1½d. up to 16s. 9d. per lb., for small parcels; powder, 2¼d. per lb. extra. Some spot sellers may be cheaper.

TARTARIC ACID (B.P. crystals).—Dealers' prices for foreign are steady at 1s. 1d. per lb., less 5 per cent., ex wharf. British makers quote 1s. 1¼d. per lb., less 5 per cent. discount.

THYMOL.—Business is very quiet; market is unsteady: synthetic, fine white, one cwt., 5s. 9d.; 56 lb., 5s. 10½d.; 28 lb., 6s.; 14 lb., 6s. 3d. per lb.; ex ajowan seed, one cwt., 7s. 3d.; 56 lb., 7s. 4½d.; 28 lb., 7s. 6d.; 14 lb., 7s. 9d. per lb.

VANILLIN.—Market is firm as quoted. Continental to come forward would be dearer on present rates of exchange: ex guaiacol, one ton, 14s. 3d.; ton cwt., 14s. 6d.; five cwt., 14s. 9d.; three cwt., 15s.; one cwt., 15s. 3d.; 56 lb., 15s. 6d.; 28 lb., 15s. 9d.; 14 lb., 16s.; less, 16s. 3d. per lb.; ex clove oil, 16s. to 19s. per lb. as to quantity, from one ton to less than 14 lb.

Crude Drugs, etc.

ACONITE ROOT.—New crop Napellus is dearer in the region of 72s. 6d. per cwt.

AGAR-AGAR.—The spot market is unchanged; shipment figures are easier; market dull: spot, Kobe No. 1, 4s. 3d.; No. 2, 4s.; Yokohama, 4s.; shipment, Kobe No. 1, 3s. 10½d.; No. 2, 3s. 7½d.; Yokohama, 3s. 7½d. per lb. c.i.f.

ANTIMONY.—The market is steadier at improved rates: Chinese crude, spot, £22; shipment, £17 10s. c.i.f.; Chinese oxide, spot, £33; shipment, £29 c.i.f.

BALSAMS.—Business has been slow; market steady: *Tolu*, 3s. 2d. per lb.; Canada, 4s. 3d. per lb.

BUCHU.—Ovals are not offering on spot; some to arrive are likely to be quoted from 8d. for fair quality. Good

green rounds are steady at 11d. to 11½d. per lb., with off-colour at about 9d. per lb.

CAMPHOR.—The spot market for Japanese remains nominal, with practically nothing offering. The shipment market is easier and very steady: slabs, 2s. 3½d.; flowers, 2s. 4½d.; tablets, 2s. 10d. per lb. c.i.f. English refined camphor is now quoted as follows: B.P. flowers, one cwt., 3s. 5d.; 28 lb., 3s 6d.; small lots, 3s. 7d. per lb.; transparent tablets, 4 oz., 8 oz., 16 oz., 3s. 8d.; 1 oz., 2 oz., 3s. 9d.; ½ oz., ⅓ oz., ¼ oz., 3s. 10d. per lb.

CARDAMOMS.—Market is steady but rather quiet: bold Ceylon-Mysore, 5s. to 5s. 6d.; mediums, 3s. 6d. to 4s.; small mediums, 2s. 6d. to 3s.; smalls, 2s. to 2s. 3d.; greens, spot, 2s. 3d.; Bombay seeds, 3s. 1d.

CHAMOMILES.—There has been a rather better demand and prices for good white Belgian are steady at 140s. spot.

CLOVES.—The market has been fairly steady all the week; business has been moderate: Zanzibar, spot, 8¾d.; shipment, December-January, 7¾d. c.i.f.; Madagascar, spot, 8½d. sellers.

The landings of Zanzibar in London during the week ended December 12 were *nil* and the deliveries 96, leaving a stock of 624, against 625 in 1930. From January 1 to date landings of Zanzibar have been 3,604, against 6,985 in 1930, and the deliveries 3,999, against 6,367 in 1930. Landings of Madagascar for the week ended December 12 were *nil* and the deliveries 8, leaving a stock of 647, against 754 in 1930. Landings of Madagascar this year to date have been 2,320, against 5,745 in 1930, and the deliveries 2,579, against 5,004 in 1930.

COCHINEAL.—Shipment is dearer. Spot holders of Teneriffe silver-grey and black have advanced their prices to 1s. 8d. to 1s. 9d. per lb.

COCOA BUTTER.—No further alteration in prices; market quiet: prime English, 9¾d. to 10½d. per lb., in minimum one-ton lots.

COCONUT (DESICCATED).—The market has been rather quieter and values are inclined to be easier: spot, fine, 24s. 6d.; medium, 26s. 3d.; shipment, halves, December-January, 24s. sellers, c.i.f.

COD-LIVER OIL.—The market has been quieter, but is very steady in view of the heavy shipments this season: finest Lofoten steam-refined non-freezing medicinal oil, 115s. to 117s. 6d. per barrel, c.i.f. Spot is quoted at 125s. for minimum five-barrel lots. Some brands may be cheaper.

COLCHICUM ROOT.—Spot supplies are very scarce; quoted at 70s. There appears to be but small supplies available this season. Colchicum seed is also dearer at 2s. 11d. per lb.

DAMIANA LEAVES.—Spot offers are at about 10½d. per lb.

ERGOT.—Russian is nominal on spot; nothing offering, and there are no offers of new crop. Spanish is about 2s. 2d. to 2s. 3d., and Portuguese 1s. 8½d. to 1s. 9d. per lb. spot.

GELATIN.—The market is quoted unchanged; business has been slow: gold leaf, 2s. 3d.; silver leaf, 1s. 11d.; bronze leaf, 1s. 6½d.; thin leaf, 1s. 4½d. per lb., in one-cwt. cases.

GENTIAN is in short supply and is steady as quoted at 42s. 6d.

GINGER.—At the lower prices now quoted West African on spot is steady; business moderate: spot, 31s. 6d.; shipment, to arrive, 29s. sellers, c.i.f.

GUM ACACIA.—The market has been dull and is quoted unchanged: spot, Kordofan cleaned sorts, 43s.; natural, 41s.; bleached, 95s. to 97s. 6d. per cwt. Shipment, December-January, Kordofan cleaned sorts, 37s. 6d.; natural, 36s. c.i.f.

HENNA LEAVES.—New crop green Egyptian are offering at about 32s. 6d.

HONEY.—The feature of this market, which as a whole is distinctly firm, is the acute scarcity of Jamaica palest set, which is nominally 52s. 6d.; good pale is fully 40s.; good medium, 36s., and dark amber, 23s. per cwt. Business continues on a good scale.

HYDRASTIS.—Spot offers continue at about 6s. 3d. per lb.

IPECACUANHA.—This market has been dull and is rather easier; Continental offerings are keen: Matto Grosso, spot, 5s. 9d. to 6s. per lb., sellers.

MALE FERN EXTRACT.—Spot values are steady as quoted at about 4s. 6d. per lb., with cheaper sellers not so much in evidence. The forward position is dearer.

MENTHOL.—The market is firm with shipment rather dearer. K/S brands, spot, 15s. 9d.; shipment, October-December, 14s. 6d.; January-March, 13s. 10½d. per lb., c.i.f.

MERCURY.—The shipment figure for Spanish-Italian remains at $80, f.o.b. Spot is quoted steadily at £19 10s. per bottle for fair quantities.

ORRIS ROOT.—Best Florentine sorts quoted on spot at 60s.

PEPPER.—The market is easier after the recent improvement, and closes dull. Lampong, spot, 7¼d.; shipment, October-December, 6⅝d.; January-March, 6¾d.; March-May, 6¾d., c.i.f. Tellicherry, spot, 7⅝d.; shipment, January-March, 66s. c.i.f. Aleppy spot, 7½d.; shipment, January-March, 64s. c.i.f. White Muntok, spot, 8¾d.; shipment, October-December, 8d.; January-March, 8d.; March-May, 8 5/16d., c.i.f.

PSYLLIUM SEED.—New crop is now to hand, and is offered at about 1s. 4d. per lb.

RUBBER.—The market is about level on the week, but business has been limited. Rumours of proposals to control production continue. U.K. stocks, 129,942 tons, against 117,774 tons a year ago. Standard ribbed smoked sheet, sellers, spot, 3 1/16d.; December, 3 1/16d.; January, 3 1/16d.; January-March, 3⅛d.; April-June, 3 5/16d.; July-September, 3½d.

SAFFRON.—The market is steady but quiet. Prime B.P., 57s. 6d.; extra B.P., 50s.; super B.P., 49s. per lb., and less for good quantities.

SARSAPARILLA.—Business has been limited; market steady. Grey Jamaica, 1s. 6d.; native, 1s. to 1s. 1d. per lb.

SEEDS.—ANISE.—Spanish 55s., and Russian 35s. per cwt., on the spot.—CANARY.—Mazagan spot, 15s. 6d. sellers; Tangier, 14s.; Kenitra, 14s. 6d.; Larache, 14s. 6d. CORIANDER.—No demand: 1929 crop, 15s., spot; 1931 crop, all cleared at 19s. CUMIN.—Malta, spot, 45s.; Morocco, spot, 28s.; and for shipment, 27s. 6d. c.i.f. FENUGREEK.—Still no c.i.f. offers: spot is valued at 15s., Tunisian unchanged at 17s. LINSEED.—Morocco spot sold at 14s., Mazagan 15s. CARAWAY.—Dutch, on spot, 37s. 6d. MUSTARD.—English, 23s. 6d. to 30s. per cwt., according to quality.

SENEGA.—Market has been distinctly quiet but is steady at 1s. 10½d. per lb.

SENNA.—Alexandrian finest selected hand-picked pods continue scarce. Fair quality manufacturing pods are fully steady at 5d. per lb., and shipments to the Continent have been made at this figure. Cables from India indicate the market for hand-picked Tinnevelly pods is steady at 8¼d. to 8½d. per lb., c.i.f., and the offerings are limited. The position of Tinnevelly leaves for shipment is indefinite, reports from India being conflicting.

SHELLAC.—The market has been dull and closes about steady: TN standard orange, spot, 75s.; fine orange, 87s. 6d. to 160s.; pure button, 97s. 6d. For delivery, TN, December, 69s. sellers; March, 71s., and May sold to 73s.; for arrival, TN, sellers, December-January, 67s., c.i.f.

SQUILL.—Good white is offering on spot at about 22s. 6d.

WAX (VARIOUS).—A very fair business has been done and prices generally are steady. Japanese wax is rather dearer. JAPANESE, on spot, is firmer at 52s. 6d. to 55s.; CARNAUBA, fatty grey and chalky grey, 75s.; medium yellow, 180s.; fine yellow is rather easier as quoted at 195s.; CANDELILLA is unchanged at 90s. per cwt.; SPERMACETI, steady at 9¼d. per lb. spot; PARAFFIN is quoted from 25s. to 34s. per cwt. as to melting point; CERESINE is quoted from 40s. to 80s. per cwt. as to colour and melting point; BEES' WAX is been in fair demand; bleached, discs, £8 10s.; slabs, £8 5s.; yellow refined, £5 15s.; yellow crude, £5 per cwt. spot.

Essential Oils

IN some instances values on spot are tending easier on account of the improvement in sterling exchange rates. Sicilian oils are becoming unsteady. Japanese dementholised peppermint is dearer and firm for shipment. Ceylon citronella is dearer and firm with supplies limited; Java is a shade easier.

ALMOND.—The market is steady but quiet; genuine s.a.p., 8s. to 8s. 3d.; sweet almond, about 2s. 2d. per lb., spot.

ANISE (STAR).—The spot market is steady and quiet, while shipment is rather dearer and firm: "Red Ship," spot, in leads, 2s. 3d.; in tins, 2s. 2d.; in drums, 2s.; shipment, in leads, nominal; in tins, 2s. 1d.; in drums, 1s. 11d. per lb., c.i.f.

BERGAMOT.—Reports to hand this week make the shipment position obscure, and some cheaper quotations have been received this week. Spot business has been quiet and values tend to be unsteady and rather easy in the region of 10s. 6d. per lb.

BOIS DE ROSE.—Brazilian tends to be dearer with shipment at about 2s. 9d. and spot moving up to 2s. 10d.; Cayenne is offering on spot at about 6s. 4d. per lb.

CARAWAY is keeping steady; business limited: double distilled, 7s. 6d.; crude, 7s. 1d. per lb.

CASSIA meets with a fair business with spot about steady at 3s. 9d. per lb.

CEDARWOOD.—The spot price is well maintained at about 1s. 11d. per lb.; business is moderate.

CINNAMON LEAF is unchanged on a quiet market at about 5s. 6d. per lb., for good quantities.

CITRONELLA.—While Ceylon is firmer Java is a shade easier. Ceylon is fully 1s. 9d. for shipment, c.i.f., and spot at 1s. 10½d. to 1s. 11d., and supplies are limited with a good inquiry on the market. Java is now offering on spot at about 2s. 9d. per lb., for good quantities.

CLOVE.—This market is steady, and some small business has been done: 90 to 92 per cent., about 5s. per lb. Madagascar, 4s. 4d. per lb.

EUCALYPTUS.—The market is steady and unchanged; business continues on a fair scale. Australian, 70 to 75 per cent., 1s. 1d.; 80 to 85 per cent., 1s. 3d. per lb. Spanish, 70 to 75 per cent., fully 1s. 3d. per lb. for quantities.

GERANIUM.—Bourbon on spot is about maintained in the region of 19s. per lb., while the shipment market is rather easier at about 17s. 3d. c.i.f. for bulk quantities. Algerian on spot continues to be quoted at about 20s. per lb.

JUNIPER BERRY (B.P.).—There is not much business on the market: first quality material, about 5s. per lb. spot.

LAVENDER.—Prices quoted for French are steady; market quiet: 38 to 40 per cent., 10s. 9d. to 11s.; 36 to 38 per cent., 9s. 9d. to 10s. per lb. as to quantity.

LEMON.—Business has been slow and the spot market, if anything, is rather easier: Sicilian hand-pressed is quoted round about 4s. 3d. to 4s. 6d. per lb. as to brand and quantity. Shipment tends to be easier. Californian, on spot, 2s. 10d. per lb., in drums.

LEMONGRASS.—A fair business is reported, with the market steady: spot, 2s. 4½d. up to 2s. 6d. per lb. as to quantity.

LIME is rather easier on a slow market, with genuine distilled at 40s. per lb.

MANDARIN is steady but of little interest: spot, 16s. 6d. per lb., and a shade less for good quantities.

ORANGE.—Business has been limited and the spot market for Sicilian sweet is easy as quoted at about 8s. per lb. Shipment offers are easier and irregular. Californian, spot, 4s. 10½d. to 5s. 5d. per lb. as to quantity.

PEPPERMINT.—The market is a shade dearer on the week, particularly for shipment, despite the cheaper Japanese currency. It seems that the shippers, anticipating this move from the gold standard, had sold without covering, and producers have accordingly moved against them. Japanese dementholised, spot, 4s. 4½d.; shipment, October-December, 4s. 3d.; January-April, 4s. per lb. c.i.f. The shipment market is firm. American oil for shipment is quoted at 1 dollar 50 cents c.i.f.

PETITGRAIN has been in occasional demand, with prices at about 4s. 3d. per lb., as to quantity.

ROSEMARY.—The market is steady, while business has been slow: French, 2s. per lb.; Spanish, 3s. 10d. per lb.

SASSAFRAS has been of small interest: spot is quoted at about 5s. per lb.

SPEARMINT is unsteady, and cheap offers are on the market, but the quality is not known. Reliable material, about 8s. 3d. per lb.

SPIKE.—This market is very steady and business continues on a good scale: Spanish, 3s. 9d. to 3s. 11d. per lb. as to quantity.

WINTERGREEN.—Spot is about maintained in the region of 7s. 9d. per lb.

WORMSEED.—The market is easier at about 13s. to 13s. 3d. per lb.

The following arrivals have taken place from the countries indicated during the period December 10 to 16 inclusive:—Almond (Fr.) 3 cs.; anise (star) (Spn.) 20 pkgs., (Hong-K.) 20 pkgs.; bergamot (It.) 92 cs.; cajuput (D.E. Ind.) 2 dms.; cassia (It.) 10 cs. (Hong.-K.) 20 cs.; chaulmoogra (Ind.) 16 cs.; citronella (Ceylon) 4 dms.; clove (Fr.) 4 dms.; eucalyptus (Austl.) 118 dms.; geranium (Nthlands) 1 cs.; juniper berry (Czecho-S.) 2 cs.; lavender (Fr.) 2 dms.; lemon (It.) 18 cs., (U.S.) 8 dms.; lime (B.W.I.) 59 cs.; orange (It.) 1 cs., (Nthlands) 1 cs., (Jam.) 10 cs; palmarosa (Ind.) 1 pot; patchouli (Straits) 7 cs.; peppermint (U.S.) 4 cs., (Jp.) 60 cs.; rose (Fr.) 1 cs.; rosemary (Spn.) 1 csk.; sandalwood (Ind.) 5 cs.; various (Fr.) 7 cs., (U.S.) 2 dms., (Ind.) 3 cs., (Jp.) 5 cs., (Gy.) 27 cs.

Coal Tar Products, etc.

STEADY conditions continue to be reported in these products and some lines are fairly active. Makers of carbolic acid crystals are not selling freely for next year. Cresylic acid is dull and rather easier. Pyridine is dearer and in good demand. Pure grades of toluol and xylol are in short supply and dearer. BENZOL.—The market is fairly active and values are fully maintained: standard motor 90's, 1s. 3½d. to 1s. 4d. per gallon, in tank wagons, ex works; pure, 1s. 7½d. to 1s. 8d. per gallon. CARBOLIC ACID CRYSTALS (39° to 40° C.).—Makers' prices for next year as recently quoted appear to be nominal at the moment and tending to harden. Spot supplies are limited and quoted from 5⅞d. to 6⅜d. per lb., in drums with over-casks, carriage paid or f.o.b. Crude carbolic 60's firm at 1s. 8d. to 1s. 9d. per gallon, naked at works. CREOSOTE OIL.—The market is steady, with rather more inquiry about. In bulk quantities, 4½d. to 5d. per gallon f.o.r. works, South England. CRESYLIC ACID.—The market is by no means active and supplies are freely offered: pale 98 to 100 per cent., 1s. 7d. to 1s. 8d.; dark 95 per cent., 1s. 3d.; special qualities, 3s. to 3s. 3d. per gallon, ex works. American duty-free acid, 1s. 7½d. to 1s. 9d. per gallon f.o.b. KEROSENE.—The market is quoted unchanged: water-white, 10½d.; standard white, 9½d. per gallon, in barrels, ex wharf, London; in bulk, 3d. per gallon less. MOTOR SPIRIT.—The national distributing prices are unchanged: No. 1, 1s. 3½d. per gallon, delivered in bulk for England, Wales and South Scotland; 1s. 2d. for Belfast, and 1s. 4d. for remainder of Northern Ireland and North Scotland; 1s. 4½d. for Irish Free State, 1s. 0½d.; Dublin, 11½d. per gallon. No. 3 spirit 2d. per gallon less, and aviation spirit 4d. per gallon more in all cases; 1d. to 2d. per gallon more in two-gallon tins, as to district. NAHPTHALENE continues steady but quiet: flakes, £11 10s.; balls, £11 10s. per ton, in cases, ex wharf. PITCH is keeping up to the former rates, with medium-soft at 67s. 6d. per ton f.o.b. East Coast. PYRIDENE shows an advance, with a fair business moving: 90 to 160, 4s. to 4s. 6d. per gallon. SOLVENT NAPHTHAS is fully steady and business is satisfactory: 90 to 160, 1s. 2¼d. to 1s. 3d.; heavy, 90 to 190, 1s. 0½d. to 1s. 1d. per gallon naked at works. TOLUOL.—The market is steady and supplies are limited on spot: commercial 90's, 2s. 2d.; pure, 2s. 4d. to 2s. 6d. per gallon, ex works, in bulk quantities. XYLOL has improved and steady: business fair: commercial, 2s. 1d. to 2s. 2d.; pure 2s. 4d. to 2s. 5d. per gallon, ex works.

Fixed Oils, etc.

THE markets have been mostly dull this week and values show a general decline. American turpentine and linseed oil are slack and easier. Palm oils have declined sharply. Olive oil is unsteady. Castor oil is cheaper. ACID OILS.—The market has been rather dull but is fairly steady: coconut and/or palm kernel, 20s. 3d.; groundnut, 19s. 3d.; soya, 17s. 3d. spot. CASTOR.—The market has weakened and is slow: pharmaceutical, 46s. 6d.; first pressings, 41s. 6d.; second pressings, 39s. 6d. (barrels); cases, £4 per ton extra, ex mills, Hull, in not less than one-ton lots; Bombay, 31s. 6d. (drums) c.i.f., nominal. COCONUT is about unchanged, with business rather poor: deodorised, 33s. (barrels) spot; Ceylon, 25s. 9d. (drums) c.i.f. COTTON.—Slightly cheaper prices are quoted for all grades; business fair: deodorised, 23s.; common edible, 26s.; soapmaking, 23s. 6d.; crude, 22s. 3d. (barrels) spot. GROUNDNUT is a point easier; business has been fair: deodorised, 37s. (barrels) spot; crude Oriental, 27s. (drums) c.i.f. LINSEED (raw, naked).—The market has been dull and is quoted easier for all positions: on spot, 14s. 9d.; December, 14s.; January-April, 14s. 7½d.; May-August, 16s. 6d. Boiled oil, spot, 17s. OLIVE.—The market is unsteady, with business very quiet: edible, 6s. 3d. in drums, 6s. 9d. in tins in cases; B.P., 4s. 10d. per gallon, in 40-gallon barrels. PALM.—Prices for all grades have slumped badly after the recent improvement; business has been poor: Lagos, 20s.; softs, 19s. 3d.; mediums, 19s. 3d.; hards, 21s.; bleached, 22s. 3d. spot. PALM KERNEL is steady and level on the week; business fair: deodorised, 32s. 6d.; crude, 26s. 3d. spot. RAPE is barely steady at former rates: refined, 35s. 3d.; crude, 33s. 3d. spot. RESIN.—Values are slightly dearer, with the market closing steady: B, 13s. 3d.; D, 13s. 3d.; F/G, 13s. 9d.; N, 20s. 6d.; W/G, 23s. 9d.; W/W, 25s. 9d. ex wharf. SOYA.—Quoted values are barely maintained, with the market dull: deodorised, 26s. 6d.; crude, 24s. 6d. spot. TURPENTINE.—Values show a decline and the market has been dull throughout. Total London stocks, 29,634 barrels. On spot, 51s. 6d.; January-April, 52s. 6d. WOOD.—Hankow in barrels is steady as quoted at 49s.

Correspondence

Letters should be written on one side of the paper only. Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor.

Welfare Centres

SIR,—You deserve the sincere thanks of all business chemists for your enlightening editorial article on welfare centres (*C. & D.*, December 12, p. 707). It is particularly gratifying that by devoting your time and space to exposing the glaring "abuses" of the benefits of these centres you have encouraged those of us who have already expressed our views on this subject to pursue the work of propaganda. It is gratifying also that Mr. E. C. Cripps, in his paper read at Manchester, advocates the two points already stressed in former issues of THE CHEMIST AND DRUGGIST. I would go further, and advocate that all municipal trading in medicines, from vaccines to disinfectants, be abolished and (as Mr. Cripps suggests) be transferred on tariff to chemist ratepayers. Small profits are better than none, and such a movement would stem the tide of municipalisation of legitimate business. But chemists must bestir themselves: "They who hesitate are lost."

Yours faithfully,

JUSTICE (15/12).

The Medicine Stamp Acts

SIR,—I am extremely obliged for the kind remarks of "Xrayser" in his "Topical Reflections." With regard to his exception, "but surely Mr. Humphreys does not approve of sales of medicines in grocers' shops," etc., in my letter to Lord Danesfort, I endeavoured to avoid any expression which savoured of business bias, and to present the case solely from the taxpayer's point of view. Whilst the P.M. licences have increased from 22,482 for 1928-29 to 27,607 for 1930-31, or 23 per cent., the receipts from stamp duty have fallen in the same period from £1,333,512 to £1,097,601, or 21 per cent.—a loss to the Revenue of more than a quarter of a million sterling. The purport of my letter was to show that the manufacturers were exploiting the Exchequer at the expense of the taxpayer. I fail to see how, in law, equity or logic, they can sell the same article as a "known, admitted and approved" preparation unstamped to the registered chemist, and also as a "Brand" proprietary stamped to others. If any of your readers will be kind enough to bring this matter to the notice of their member of Parliament, and solicit his influence in the House of Commons to get this loss to the Revenue readjusted, I shall be glad if they will drop me a postcard.—Yours faithfully,

A. HUMPHREYS,
Chairman of Bleasdale, Ltd.

York.

Automatic Film Machines

SIR,—I have read with much interest the letter of "Torcy" (*C. & D.*, December 12, p. 716), and congratulate him on the lucidity of his statement. I have always held that in the average chemist's business these machines were not only unprofitable but an absolute nuisance. I should say that 75 per cent. of the machine business would have been done over the counter had no machine been installed, for the vast majority of "snappers" do not use their cameras later in the day than the closing hour of shops. Had "Torcy" reckoned his net profit on a probable 25 per cent. of extra business this would have given a profit of 12s. or 13s. Deduct from this the cost in time of attending to the machine (filling, checking films and cash, cleaning, and general attention), the net result might well be written off as loss. There may be exceptional cases when profit can be made, but I do not think they can be on machines installed outside chemists' premises.—Yours faithfully,

THE THISTLE (12/12).

National Register of Opticians

SIR,—Neither Mr. Long (*C. & D.*, December 5, p. 691) nor Mr. Newton (*C. & D.*, December 12, p. 715) appears to be on safe ground in the discussion of a National Register of Opticians. The former seems to have overlooked the fact that a register such as he desires is already in existence, the qualification for Fellowship of the Institute of Ophthalmic Opticians being:—

1. The holding of one or more of the following diplomas . . .;

2. The holding of a recognised statutory qualification in refraction or optometry in any part of the British Empire;

3. The having held hospital or other appointments affording . . .;

4. The having had special academic or post-graduate study . . .;

5. Being generally recognised by other practitioners in the area as having special proficiency and experience in a subject which comprises the service of sight-testing and the detection of disease.

Would Mr. Newton prevent anyone whose name appears on the above register from practising sight-testing? Presumably he would not, though quite a number of the Fellows are not members of the Joint Council of Qualified Opticians, nor eligible to become members. Many opticians who have passed neither the examinations of the Spectacle Makers' Company nor the British Optical Association undertake insurance work to the satisfaction of the Friendly Societies concerned, and no Government would pass legislation which excluded them from recognition—particularly if they had been in business for, say, three or five years.

Yours faithfully,

ALTER EGO (14/12).

SIR,—Mr. Newton's objections (*C. & D.*, December 12, p. 715) are those which applied equally when the pharmacy, and later the dental, register was first mooted. Both went through eventually. The ultimate registration of practising opticians is sure to commence with some kind of "all in" policy, with safeguards, and I submit that if the existing organisations would get together and prepare their own register without the assistance of a Government department, the resulting list would be much more likely to meet with the approval of the majority. This would be, however, quite a minor benefit compared to that which would ensue from the formation of an authoritative guide enabling friendly societies, medical men and the general public to distinguish the real from the dabbler.

Yours faithfully,

H. LONG.

Chippenham.

Does Dispensing Pay?

SIR,—Mr. Padwick, in his letter explaining the working of a pricing system for dispensing adopted by the Federation of South-Eastern Pharmacists (*C. & D.*, November 28, p. 660) shows that such a method can be worked satisfactorily in any area where the pharmacists show signs of mutual help and agreement It is over thirty years since I worked in a pharmacy on the South Coast, so I am not familiar with the conditions prevailing there to-day; but I think the position would be more favourable there for a proper scale of dispensing charges than it would be in other suburban or provincial areas, because a large proportion of the cus-

tomers would be visitors who would not be so critical of the price they pay when on holiday as they would be in their own towns, neither would they be so likely to go round comparing prices. Apparently there are, even in the South-Eastern area, a few misguided chemists who cut dispensing prices; but they do not gain the notoriety they do in other towns where people talk to their neighbours and tell each other the prices they pay. I have always adhered to the *C. & D.* Costing System, although I admit that some customers have grumbled, and one or two have refused to leave their scripts to be dispensed on the ground that they have paid less elsewhere; if, however, this system were adopted by agreement this would not occur, and I hope that some of the chemists who price by a flat rate will read Mr. Padwick's remarks and take advantage of his offer.—Yours faithfully,

PRICER (7/12).

We have received from Mr. Cyril H. Kirby, solicitor, 29 Red Lion Square, London, W.C.1, for publication on behalf of his clients, Mr. H. N. Linstead and Mr. G. A. Mallinson, the following letter:—

[COPY]

DEAR SIR, 13 Dec., 1931.

We acknowledge your letter in which you complain on behalf of Messrs. Linstead and Mallinson of our making the following statement:—

"But we feel sure these gentlemen were thinking of their own conduct in inducing chemists to believe they were opposing the Bill, whereas, as their actions show, they have been eager to get the Bill passed at any cost to the chemists."

We apologise for this mis-statement and regret any inconvenience caused thereby. We authorise you to publish this letter in the pharmaceutical Press.

Yours faithfully,

J. J. LAWS.
J. C. MCNEAL.

Subscribers' Symposium

For interchange of opinion among "C. & D." readers and brief notes on business and practical topics.

The Chemical Club

Mr. J. Davidson Pratt, secretary of the Chemical Club, 2 Whitehall Court, London, S.W.1, writes appealing for further support for the Club. A loss of £100 occurred on last year's working in spite of every economy. The present membership is some 700, and, to enable the Club to pay its way on the present basis, the Committee would be satisfied if they could get 100 new members. This year's president is Dr. H. Levinstein.

A *Problem in Proprietaries.*

As a young proprietor, I am often doubtful of the policy to adopt as regards packed drugs and packed sundries. Is it best to pack one's own preparations and sell at a low or good price; or buy branded packs which retail usually at good prices? The district seems to matter little, as most folks to-day are looking for the shop where the shilling goes furthest.—*Profit-Seeker* (9/12).

Welfare Centres

One of the baneful influences of the organisation of present-day society is the harm it inflicts upon sundry portion of the trading (particularly the retail) community. For many long years the selling of nursery foods has been a material portion of the turnover for pharmacists; now, in many districts, this business has gone, I fear beyond recovery, while taxation increases. Cannot pharmacy itself come within these State-aiding arrangements?—*Antiquus* (14/12).

Legal Queries

R. G. D. (1/10).—Since the Medicine Stamp Acts do not apply to Northern Ireland or the Irish Free State there is no obligation to comply with their provisions when exporting articles to Ireland.

W. J. A. (20/11).—If the two preparations to which you refer contain a scheduled poison, the name of the poison and the amount present must be stated on the label. If this is the case you will not be entitled to sell these articles, since you are not a registered chemist.

E. W. T. (28/11) has a manager whose salary was increased to more than £250 a year, five years ago, since when he has not been insured under the National Health and Pensions Insurance scheme. About the same time he was married to another of "E. W. T.'s" employees who has not since been in employment. Can either the manager or his wife become a voluntary contributor under the scheme? [As it is more than two years since the manager and his wife were in insurable employment neither can become a voluntary contributor.]

Miscellaneous Inquiries

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for, and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

J. S. P. (23/81).—PIG POWDERS.—The following are the pig powder formulas referred to in the *C. & D.* Retail Price List:—

I		II	
Flowers of sulphur	lb. xx.	Pulv. potass. nit. ...	ʒviij.
Red ochre	lb. iss.	Sulphur. sublim. ...	ʒviij.
Tartrated antimony	ʒxij.	Ferri oxid. rub. ...	ʒiv.
Mix. Weigh into powders containing ½ oz. each. One powder to be given every few weeks. Label: "Contains antim. tart. 1/29.—Poison."		Pulv. curcumæ ...	ʒviij.
		Pulv. carui	ʒij.
		Pulv. fœnugræci ...	ʒx.
		Dose: From a dessertspoonful to a tablespoonful.	

Quis (27/8).—BLOOD PURIFIER.—This is a solution of potassium iodide, about 15 grains to the ounce, coloured with cudbear or the like. Probably the colouring was prepared with a little borax, since a trace of this is present.

R. S. (6/11).—CAPSULE FOR FLUKE IN SHEEP.—The contents are essentially pure carbon tetrachloride; its boiling point is 78° C. It gives no residue on evaporation beyond a trace of a colourless crystalline principle, in association with colouring matter which is, or is similar to, methyl orange. The crystalline principle was not identified.

Retrospect of Fifty Years Ago

Reprinted from
"The Chemist and Druggist," December 15, 1881

The Quinine Market

Sulphate of quinine is in a very peculiar position. The enormous accumulation of stocks of bark—larger, perhaps, than at any previous time—led speculators to expect very low prices for some time to come, and already indicated the great depreciation of bark or considerable decline in the price of quinine. However, a sudden large demand for the latter in the United States has changed the aspect of the quinine market, and by it the market for bark. . . . [British quinine sulphate was quoted in the market report for the month at 8s. per oz.]

THE CHEMIST AND DRUGGIST

COMMERCIAL COMPENDIUM

deals with the trade side of pharmacy

[Commenced *C. & D.*, July 5, 1924]

Woad.—*Isatis tinctoria*, Linn., N.O. Cruciferæ, a herbaceous plant having an erect stem, 1-3 ft. high, with sessile, lanceolate leaves, terminal clusters of yellow flowers, and small, pendulous, dark-coloured, elliptic pods, ½ in. long. *I. tinctoria* is a widely distributed species; it occurs throughout Europe, North Africa and Asia as far as China and Japan. In this country it is apparently an escape from cultivation, and is found in fields near stone pits and chalk quarries. Woad is not only the name of the plant, but also the name of the dye prepared from its leaves. This is derived from the Saxon *wad* (from Woden, the God of War). It is synonymous with glastum, with which, according to Pliny, the ancient Britons dyed their skins blue in time of war and in connection with certain religious ceremonies. In order to prepare the dye the leaves are cropped at the end of June or beginning of July, taken to the woad mill and crushed or ground with edge-runners to a pulp. The mass is placed in small heaps to drain till sufficiently dry to cohere and be submitted to the balling process by kneading and rolling into balls of 4-6 in. in diameter. The balls are placed in trays in a well-ventilated shed and left from one to four weeks. When thoroughly dry the balls are taken to a storeroom, where they undergo a process of fermentation called "couching." For this purpose the balls are ground to powder, spread on a floor and reduced again to the consistency of a paste by frequent sprinkling with water and turning over with shovels. This process lasts about nine weeks, and during that time the material gives off an ammoniacal odour. When the mass is cooled it is packed in barrels ready for the market and the dyer. Nine parts of fresh leaves afford one part of prepared dye. The early history of woad, an account of the woad industry in Great Britain, France, Germany and Italy, the protection of the trade by legislation, and the use of woad in the fine arts and therapeutics, are described in "The Woad Plant and its Dye," by J. B. Hurry. The cultivation and manufacture of woad filled an important place in the economic life of Europe during the Middle Ages, when blue was a fashionable colour. In the reign of Edward III, and again during Duke Alva's administration in the XVI century, Flemish weavers, dyers and fullers established themselves in Lincolnshire and Somerset; and besides introducing new branches of woollen manufacture, they were skilled in dyeing with the best colours. The XVI century appears to have been the golden era of the woad industry in this country, for it was a period when large quantities of the dye were required by the cloth manufacturers, and farmers were recommended to extend its cultivation. The prevalence of the manufacture in various parts of England is quoted in some State papers in the time of Elizabeth. In spite of taxes and duties, woad for many years was a lucrative agricultural crop. In the XVIII century the best woad sold at from £25 to £30 per ton, while an inferior quality only fetched £6 to £7. Even then it was a declining industry. The discovery of a new route to India in 1560 was the primary factor in its downfall. Indigo, introduced from the East Indies, soon proved to be a serious rival to woad, and the more vivid colour and lower price of the exotic gradually replaced the cruder indigenous product, though only after a prolonged struggle. It was found in practice that 15 lb. of the best woad would go as a far as 1 lb. of indigo. The Thirty Years' War (1619-48) caused untold injury to the cultivation of woad in Germany. As regards France, the industry was extinct by the XVIII century, although temporarily resuscitated under the exigencies of the Napoleonic wars. The colouring principle of woad leaves was considered by Schunck to be identical with that present in *Indigofera*, while other chemists regard it as resembling indoxylic acid. Indican is a glucoside which occurs as a colourless compound both in the leaves of *Isatis tinctoria* and in species of *Indigofera*. Woad contains but a small quantity of indican, and as now prepared and fermented contains very little dye, this having been destroyed by bacterial action. Nevertheless, woad is still employed as an adjunct in the apparatus known as the woad vat, in which natural or artificial indigo is used for the purpose of dyeing fabrics; here the insoluble blue is converted into indigo white, which is the soluble form of indigotin that alone can be used by the dyer. Two surviving farms in Lincolnshire serve to keep alive the memory of this remarkable industry. Woad was a drug of the Middle Ages, and is frequently mentioned in the herbals of the XVI century. It had a place in the Pharmacopœia Londinensis of 1654, but as a medicinal agent it has long been relegated to obscurity.

Wood Oil.—*See* Tung Oil.

Wood-Smoke Essence.—(1) Commercial pyroligneous acid (q.v.). (2) A mixture of crude pyroligneous acid, rectified spirit of tar and wood naphtha, coloured with caramel. Also known as Cambrian essence, Westphalian essence or smoking fluid; used for curing hams.

Wood Spirit.—*See* Methyl Alcohol.

Wood Tar (Stockholm tar) is obtained by the destructive distillation of the wood of *Pinus sylvestris* and other species of *Pinus*. It is a dark brown or black viscous liquid having a strong empyreumatic odour; s.g. 1.015-1.160. On slaking with water and filtering, the filtrate is acid, whereas coal tar yields an alkaline filtrate. It is a very complex substance, its composition varying with its method of preparation. Its chief constituents are pyrocatechol, phenol, guaiacol, cresol, creosol, methyl-creosol, phlorone, toluene, xylene, naphthalene, and other hydrocarbons not yet identified. The non-volatile portion is of the nature of pitch. It is used to a small extent in medicine as a disinfectant and expectorant in bronchitis and similar complaints, and is also used in the form of an ointment.

Wood Vinegar.—Wood vinegar is, strictly speaking, the dilute acetic acid obtained from the destructive distillation of wood, coloured with traces of caramel. In practice, to-day, the term is applied to any similar product made from acetic acid which is obtained by any method other than fermentation. Under the heading "Vinegar" (*supra*) it is clear that a dilute solution of acetic acid has all the properties of brewed or fermented vinegar that are essential, other than the particular flavour of brewed vinegar. The poorer classes have for many years purchased this type of vinegar. When wood vinegar is sold as "malt vinegar" conviction is inevitable if proceedings are taken. But the sale of this commodity either as wood vinegar, or merely as vinegar, appears to be both morally and legally permissible.

Wool is obtained from the woolly covering of the sheep. It is easily spun into thread. The important characteristics of wool fibres are cell structure, fibre diameter and fibre length; these features vary in the different breeds of sheep. The fibre arises in the middle layer of the skin, and has as its root or follicule a gland producing a secretion which serves to nourish the hair; an oily substance (wool oil) is also secreted by this gland. Raw wool is coated on the surface with wool grease secreted by the sebaceous glands. Before manufacture the dried perspiration adhering to the fibres is removed by washing with cold water; the wool grease is then extracted by scouring with soap and water at a temperature usually below 50°. Wools may be divided, commercially, into three classes: (1) Long-stapled, (2) medium-stapled, (3) short-stapled. Wool is used in the manufacture of crêpe, domestic and flannel bandages.

The C.&D. Commercial Compendium

Wool Fat.—*See* Lanolin.

Wootton's "Chronicles of Pharmacy."—Published in 1910, and still obtainable at the offices of THE CHEMIST AND DRUGGIST (2 vol., illustrated, pp. 770, 10s. 6d.). The author, the late Mr. A. C. Wootton, Ph.C., died while the book was in the press. As Editor of THE CHEMIST AND DRUGGIST from 1870 to 1899, Mr. Wootton had opportunities of collating information which, on his retirement, formed the basis of his own research. These two volumes comprise a history of medicaments from the beginning of civilisation to the nineteenth century, and contain many curious facts arising out of the subject.

Workmen's Compensation Act.—The Workmen's Compensation Act, 1925, was passed to consolidate the law relating to compensation to workmen for injuries suffered in the course of their employment. Subject to certain exceptions, the term "workman" means any person who has entered into or works under a contract of service or apprenticeship with an employer, whether by way of manual labour, clerical work or otherwise, and whether the contract is expressed or implied, oral or in writing. Amongst the persons who are excepted from this definition are the following:—Any person employed otherwise than by way of manual labour whose remuneration exceeds £350 a year; a person whose employment is of a casual nature and who is employed otherwise than for the purposes of the employer's trade or business; an outworker; and a member of the employer's family dwelling in his house. In order that the right to compensation shall exist, the workman must have suffered personal injury by accident arising out of and in the course of his employment. Moreover, the employer is not liable under the Act unless the injury is such as to disable the workman, for a period of at least three days, from earning full wages at work at which he was employed at the time of the accident. Again, the employer is relieved from liability if it is proved that the injury to the workman is attributable to the latter's serious and wilful misconduct, unless the injury results in the death or serious and permanent disablement of the workman. It is provided that an accident resulting in the death or disablement of a workman shall be deemed to arise out of and in the course of his employment, notwithstanding that the workman was at the time the accident happened acting in contravention of any regulation applicable to his employment, or of any orders given by or on behalf of his employer, if the act was done by the workman for the purposes of and in connection with his employer's trade or business. If a workman is killed by or dies as the result of an accident, the compensation is paid to his dependants. In that event, the compensation will be paid in the form of a lump sum, the amount of which is calculated in accordance with certain rules. If the workman leaves any dependants wholly dependent on his earnings, the lump sum is an amount equal to his earnings in the employment of the same employer during the three years prior to the accident, or a sum of £200, whichever is the larger, subject to a maximum of £300. If the workman had not been in the service of the same employer for three years, his earnings will be deemed to be 156 times his average weekly earnings during the period of his actual employment under that employer. Should the workman leave only persons partly dependent on his earnings, the lump sum is to be determined, in the absence of agreement, by arbitration. If the workman leaves no dependants the lump sum payable is an amount equal to the reasonable expenses of medical attendance and burial, not exceeding £15. In addition to the lump sum calculated as above, an allowance is to be paid in respect of the deceased workman's children under the age of fifteen, rules for calculating the amount of which allowances are set forth in the Act. In cases where the workman is totally or partially incapacitated, he is to be compensated by a weekly payment which is not to exceed 30s. If the incapacity lasts for less than four weeks, no compensation is payable in respect of the first three days. Should a workman be totally incapacitated as the result of the accident, the amount of the weekly payment shall be calculated on the basis of a maximum of 50 per cent. of his average weekly earnings during the preceding year or less that he has been with the same employer If the maximum weekly payment thus calculated is less than 25s., the workman is entitled to a weekly addition to his compensation equal to one-half of the difference between that maximum weekly payment, on the one hand, and 25s., or his average weekly earnings, on the other, whichever is the less. The method of calculating the amount of the compensation where the workman's incapacity is partial only, is as follows:—One-half of the difference between the amount of the average weekly earnings of the workman before the accident and the average weekly amount which he is earning or is able to earn in some suitable employment or business. Even if a workman has so far recovered from an accident as to be fit for certain kinds of employment, the court may order compensation to be paid on the basis of total incapacity if the workman can prove that he has taken all reasonable steps to obtain employment and has failed to do so as a consequence of his injury. Upon certain terms, an employer can, after the lapse of six months or more, redeem his liability to pay further weekly sums as compensation by the payment of a lump sum. Ordinarily, proceedings for compensation cannot be brought by an injured workman against his employer unless notice of the accident was given as soon as practicable after it occurred and before the workman voluntarily left the employment in which he was injured; moreover, the claim for compensation must be made within six months from the date of the accident or, if the workman died, within six months from the time of his death. But the want of or any inaccuracy in the notice of the accident will not debar the workman from taking proceedings if the employer is proved to have had knowledge of the accident from some other source, at or about the time of the accident, or if the employer will not be prejudiced in his defence by reason of no notice or a defective notice having been given. Similarly, failure to serve a proper notice of the accident or to make a claim within the prescribed time will be excused if it is found to have been the result of a mistake, absence from the United Kingdom, or other reasonable cause. Notice of an accident may be given either verbally or in writing, and may be given either to the employer himself or to an official under whose supervision the workman is employed. The notice must give the name and address of the person injured the cause of the injury and the date on which the accident happened. A workman must, if required by his employer, submit himself for examination by a doctor provided and paid by the employer, and if he refuses his right to compensation will be suspended. Questions as to the liability to pay compensation and the amount or duration of the payments, if not settled by agreement, are to be settled by arbitration. A county court judge will act as arbitrator if the parties cannot agree upon someone else to act in that capacity. Agreements and awards fixing the amount of compensation to be paid must be registered at the local county court. If a workman is injured as a result of the personal negligence or wilful act of his employer or of some person for whose act or default the employer is responsible, the workman can, instead of applying for compensation under the Act, take proceedings against the employer to recover damages in an ordinary civil action. Special provisions are contained in the Act in respect of the following industrial diseases when due to the nature of the workman's employment:—Anthrax; ankylostomiasis; and lead, mercury, phosphorus and arsenic poisoning, or their sequelæ.

Wormseed.—*See* Santonica.

HOWARDS'

QUINISAN

(QUININE BISALICYLOSALICYLATE)

In 4 grain Tablets. Bottles of 25 and 100.

The 48-hour remedy for INFLUENZA, COLDS, etc.

Note.—Although Howards' Quinisan is extensively advertised, we have had complaints that it is difficult to obtain from the Retailer. We trust Pharmacists will either stock QUINISAN or offer to get it by return from their Wholesaler. QUINISAN carries a very good profit and is well worth stocking and recommending.

HOWARDS'

(PHENYL CINCHONINIC ACID B.P.C.)

AGOTAN

(HOWARDS)

THE GREAT REMEDY FOR

GOUT, RHEUMATISM, NEURITIS, SCIATICA, &c.

TABLETS in bottles of 25 and 50
POWDER ,, ,, 1 oz.
OINTMENT in tubes - (2 sizes)

HIGHLY RECOMMENDED AND USED BY THE MEDICAL PROFESSION

ASPIRIN

A BONUS

of 36 x 10d. bottles free is offered with orders for 2 gross 25's Howards' Aspirin Tablets provided a window show is made. This makes the profit to the Pharmacist very generous indeed. The consumer also benefits in the respective quantity and quality compared with other brands.

HOWARDS & SONS, LTD. (Established 1797) ILFORD

ALKALOIDS

Fine Chemicals · Opium Derivatives

Aloin · Atropine · Bismuth Salts · Caffeine
Cantharidin · Capsicin · Chloroform · Chrysarobin
Codeine · Diamorphine · Emp. Canth. Liq. · Ephedrine
Ergotin · Eserine · Ethylmorphine · Gingerine
Hyoscyamine · Jalap Resin · Leptandrin
Morphine · Opium · Podophyllin Resin
Salicin · Santonin · Scammony Resin
Strychnine · Veratrine and other
Pharmaceutical Chemicals and Preparations

Goods covered by Dangerous Drugs Acts offered subject to all regulations.

T. & H. SMITH Ltd

Blandfield Works Edinburgh

25 Christopher Street, London, E.C.2

EST. 1827

32-34 Virginia St. Glasgow

RIPPIN
FOR
TRAGACANTH

CALL AND INSPECT OUR SAMPLES.

Phone: ROYAL 2165.

A. J. RIPPIN, Ltd., 17 Harp Lane, E.C.3

WHY ARE YOU IN BUSINESS?

For the Good of Your Health and Profit?

Both are in

CONSTIPON

Get in **NOW** on the Nationally Advertised Line.

You can order **CONSTIPON** from any wholesale Druggists in the Country.

Tablets

3d. 6d. 1/-

CONSTIPON GLASGOW

EPSOM SALTS
Commercial and B.P. Qualities also Powdered

Glauber's Salt
Commercial and B.P. Qualities and Desiccated

Zinc Sulphate
Commercial and B.P. Qualities

Zinc Chloride
Fused, Granulated and Liquid

WILLIAM BLYTHE & CO., LTD.

Holland Bank Chemical Works

CHURCH

LANCASHIRE

Hyposulphite of Soda *Pea Crystals*

Lead Arsenate
Paste and Powder

Precipitated Sulphur

WEED KILLER

A list of our general Technical Chemicals sent on application

Johnsons of Hendon

— for —

STANDARDISED GALENICALS
PHARMACEUTICAL CHEMICALS

Emulsions Decoctions
Infusions Ointments
Liquid Extracts Tinctures

— also —

Packed Counter Goods

LIQ. PARAFFIN GLYCERINE C.L.O. OLIVE OIL etc.

Prompt delivery given to all — orders —

JOHNSON & SONS
Manufacturing Chemists, Ltd.
Hendon LONDON N.W.4

Special facilities for handling overseas orders

SUPER QUALITY

ASK US TO QUOTE FOR

GLAUBER SALTS B.P.

EPSOM SALTS B.P.

Special types of crystals matched. Any degree of exsiccation to order.
PACKED FOR HOME OR EXPORT.

HARRIS, HART & Co., Ltd.
MOSS HOUSE CHEMICAL WORKS, BLACKLEY,
MANCHESTER
Telegrams: Harp, Blackley, M/c. *Telephone:* Cheetham Hill 2853

Enquire from

HORNER

before buying

AGAR AGAR (Whole & Powdered)
ASSAFETIDA
GAMBIER CUBES
GUINEA GRAINS

ANY QUANTITY. ANY PACKING.

Write for List of 1 lb. quantities and upwards

L. A. Horner & Sons
12 SOUTH TENTER STREET
LONDON, E.1

May we call your attention to:— **PETROLAX** (BROWN CARTON)

(REGISTERED TRADE MARK)

THE IDEAL PARAFFIN AND AGAR-AGAR EMULSION

PETROLAX COMPOUND

(RED CARTON)

A COMBINATION OF PETROLAX AND PHENOLPHTHALEIN

PETROLAX ALKALINE

(BLUE CARTON)

A COMBINATION OF PETROLAX AND MIST. MAGNES. HYDROXIDI

Note the Prices:—RETAIL 2/- (Nominal ½lb.) 14/- doz.
„ 3/6 („ 1lb.) 24/- „
„ 6/- („ 2lb.) 44/- „

Stocked by the leading Patent Houses, or direct from the SOLE MANUFACTURERS:—

C. R. HARKER, STAGG & MORGAN, LTD.

Mile End, London, E.1

SOLAZZI

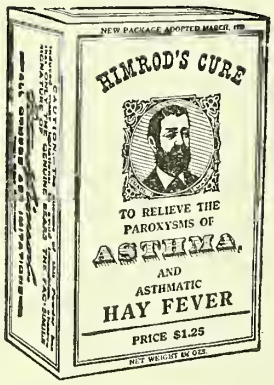
Liquorice Juice

The Chemist's Brand

Should any enquiries as to the composition of SOLAZZI be received from the Public, Chemists are requested to emphasise the fact that SOLAZZI is not included in the category of Secret Remedies, and that the following guarantee obtains with every parcel.

Solazzi Juice is

guaranteed to consist entirely of the condensed extract of finest Calabrian Liquorice Root, without any admixture whatever



Profitable, Repeat Business and Satisfied Customers

Standard For Over 60 Years

Himrod Manufacturing Co.

HOBOKEN, N. J., U. S. A.

—Order From Your Service Jobber—

What's in a name!!

SENNA

Syn.—**Ronaldson**

WE need hardly draw your attention to the fact that we are the oldest established London Senna merchants, and by far the largest operators here in this commodity. Our connection with this drug was aptly described by the buyer of a famous old-established firm of Wholesale Druggists, when he remarked, "whenever I think of Senna, I say Ronaldson subconsciously."

We have no doubt that many other Senna buyers with whom we hold an unbroken record of supply for the past 70 years also regard the name of Ronaldson as a synonym for Senna.

Our London stocks include all grades of Alexandrian Pods, leaves and siftings—direct shipments from our own growers — and an extensive range of Tinnevelly leaves and Pods.

We will be pleased to quote with samples on request.

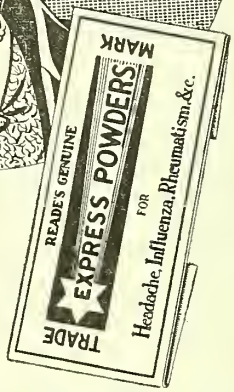
ORIGINAL PACKAGES ONLY

John Ronaldson & Co.

SENNA IMPORTERS

15 Seething Lane, LONDON, E.C.3

ALWAYS IN DEMAND!



"A box of Express Powders, please!"

The demand for Express Powders never ceases—they are asked for all the year round by people who have proved their capacity to check and cure Headaches, Flu, Chills, Feverishness, etc.
Express Powders spell good business and big profits for you, and you can sell them with full confidence that you are satisfying the customer and that repeat business is certain.

NOTE REVISED PRICES & PACK

Sizes ...	1/3 box	3/- box containing 22 powders	Box for opening containing 45 Powders at 2d. each	Box for opening containing 110 Powders a 2d. each
Prices ...	11/6 per doz.	30/- per doz.	5/- each	12/- each
Profit Yielded	3/6 per doz.	6/- per doz.	2/6 each	6/4 each

Special Prices upon application for £5, £10, and £25 Parcels.

LONDON DISTRIBUTORS:
MAY, ROBERTS & CO., Ltd., 7-13 Clerkenwell Road, E.C.1
SANGER & SONS, 42a Hampstead Rd., N.W.1

READE'S EXPRESS POWDERS

Made by READE Brothers & Co., Ltd., Wolverhampton

BE PREPARED!

for increased demand. National advertising starts this month

WINDOW DISPLAY TERMS

"KOF-OH" BRAND

THE GREATEST COUGH CURE

P.A.T.A.
LIQ. 1/3 @ 11/6 doz. 3/- @ 27/- doz.
TABS. 1/3 tins 11/6 doz.

BONUS TERMS

3 doz. 1/3 or equivalent, 4 @ 1/3 } 5% cash 30 days
6 „ 1/3 „ „ , 9 @ 1/3 }

Free packages. Carriage paid.

"KOF-OH" WONDER OINTMENT

(for everything)

Per gross 32/- less 10%
„ ½ gross „ „ 7½%
„ ¼ gross „ „ 5%
Nett cash 30 days, packages free, carriage paid.

KOF-OH CO., LTD. *Manufacturing Chemists*
EVERTON - LIVERPOOL

MEL ROSE — TABLETS

FOR CHAPPED HANDS, &c.

Manufactured for close on 50 years

The public demand is maintained in spite of many imitations, and Chemists can rely on sales all the year round.
Look to your Stocks.

2d. *and* **4½d.**

MEL ROSE — CREAM

Sold in Jars for the Dressing Table. Contains all the remedial properties of the Tablet made up in a softer form.

9d.

ROBERTS & SHEPPEY SOLE MANUFACTURERS
2 SKIPTON ST., LONDON, S.E.1

WHOLESALE ONLY

CHAS. ZIMMERMANN & CO.

(CHEMICALS), LTD.

9-10 St. Mary-at-Hill, London, E.C.3

Telegrams:
Inland:
"ACIDOLAN, BILGATE, LONDON."
Foreign:
"ACIDOLAN, LONDON."

Telephones:
ROYAL 1866 (4 lines).

CHEMICALS

PHARMACEUTICAL TRADE DEGA BRAND MARK **PHOTOGRAPHIC**

TECHNICAL

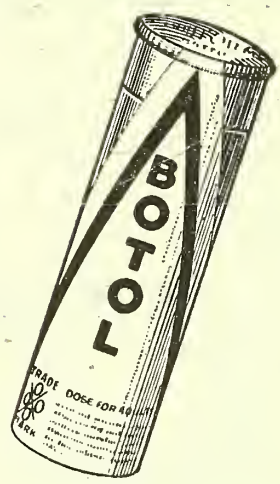
Acid Lactic
Acid Tartaric
Acid Tannic
Adrenalin
Aspirin
Bromides
Caffeine
Carmine
Chloral Hydrate
Diastase
Hexamine
Lysol
Male Fern Extract
Methyl Sulphonal
Pancreatin
Phenolphthalein
Phenacetin
Quinine Salts
Saffron
Salol
Sugar of Milk
Sulphonal
Salicylates
Thymol
Yohimbin
Acid Phenyl Ethyl Barbituric, etc., etc.

ESSENTIAL OILS
NATURAL FLOWER PRODUCTS
COMPOUNDS, CHLOROPHYL
PURE FOOD GELATINES

Special MEDICAL PREPARATIONS include:

Angiolymphe (*Dr. Rous*)
Asthmolysin (*Dr. Weiss*)
Bilival (*Ingelheim*)
Cadechol (*Ingelheim*)
Chinosol (*Original*)
Devatol-A (*Veterinary*)
Kathiolan (*Marcussen*)
Lobelin (*Ingelheim*)
Lysol (*Dega Brand*)
Necaron (*Ingelheim*)
Nivea Creme (*Beiersdorf*)
Nivea Soap (*Beiersdorf*)
Pagenstecher's Eye Lotion
Papain (*Dega Brand*)
Pebeco (*Beiersdorf*)
Pericholan (*Ingelheim*)
Posterisan (*Dr. Kade*)
Subitol
Subitine
Terpichin (*Oestreicher*)

BOTOL



REG. TRADE MARK

A LARYNGEAL NARCOTIC

Prepared by a new process which enables SOLID BROMOFORM to be combined with CODEINE

Supported by active Medical Propaganda and recommended by the Medical Profession.

IN TUBES OF TWENTY TABLETS

2/9 per tube **25/-** per doz.

Also packings of 100 and 250 tablets, retailing at 11/6 and 27/6 respectively.

FROM YOUR USUAL WHOLESALER OR

CONTINENTAL LABORATORIES LTD
30, Marsham Street, LONDON, S.W.1

"Taxolabs Sowest, London." *Victoria 2041*

SPUN

THE OINTMENTS OF DISTINCTION

WE can't make you buy the finest Ointments—

BUT we can make the finest Ointments for you to buy.

PRIVATE FORMULÆ MADE AND SPUN.

CREAMS—SETTING LOTIONS—PERFUMES—BAY RHUM—EAU DE COLOGNE—FRICTIONS—HAIR OILS—LAVENDER.

EVERY REQUIREMENT OF THE PHARMACIST CATERED FOR.

WRITE TO-DAY ASKING FOR QUOTATIONS AND SAMPLES.

Telephone: Hop 2422 (Two lines)
Telegrams: "Ushenspuna, London."

ROBERT BLACKIE

SHEN WORKS, TOWER BRIDGE RD., LONDON, S.E.1.

WINTER PLANS TO PUSH 'ASPRO'

Our winter plans are ready. "Bigger business ahead" is our motto. The 'ASPRO' advertising campaign will be spread more widely and more powerfully than ever before through the national and provincial press. Over 300 papers are involved carrying regular large space insertions of seasonal advertising. Their total circulation is more than 32,000,000, taking the 'ASPRO' message several times monthly into almost every home in the country.

DO YOU REALISE WHAT THIS MEANS TO YOU AS A RETAIL CHEMIST?

The Chemist who displays 'ASPRO' continuously in his window and shop benefits from this enormous campaign just as though the advertisements bore his own name. An 'ASPRO' display will bring an ever-increasing stream of customers into your shop. Our new and attractive winter display—giant cartons—seasonal window stickers—counter mat—all are at your disposal. Why not write us to-day?

Here is the new display, it is printed in full colours, and is worthy of a central position in your window.

'ASPRO' consists of the purest Acetyl Salicylic Acid that has ever been known to Medical Science, and its claims are based on its superiority.

Agents: GOLLIN & CO. PTY. LTD. ('Aspro' Dept.)
SLOUGH, BUCKS *Telephone: SLOUGH 608*
Made by ASPRO LTD., SLOUGH, ENGLAND.
No proprietary right is claimed in the method of manufacture or the formula.

'ASPRO' REG. TRADE MARK

"COLLOPLASMA"

THE ALL-BRITISH KAOLIN POULTICE

NO ADVANCE IN PRICE

The efficiency of "Colloplasma" is recognised in medical circles and it is regarded as by far the most efficient form of poulticing available

SPECIAL BONUS OFFER NOW AVAILABLE TO PHARMACISTS

Particulars on application

Issued in 8, 16, and 32 oz. tins

THE CROOKES LABORATORIES (BRITISH COLLOIDS LTD.)
GORST ROAD, PARK ROYAL, LONDON, N.W.10
Telephone (three lines): WILLESDEN 6313 Telegrams: COLLOSOLS, HARLES, LONDON

TRADE MARK REGISTERED.
FOR COUGHS.
Owbridge's Lung Tonic
FOR COLDS.

A Happy Christmas
and a
Prosperous New Year
to all our Friends.

W. T. OWBRIDGE, LTD., The Laboratory, HULL.

THERE ARE NOW OVER 2,000 Rexall AGENCIES

In Great Britain and Ireland

REXALL CHEMISTS
have the exclusive selling agency for
Rexall Remedies and Puretest Family Medicines

Rexall also offers :—

A Valuable Exclusive Agency; An unexcelled line of products; Co-partnership with over 2,000 British Chemists; Merchandise with a "selling punch" behind it. The best weapon to fight slackness of trade.

After 28 years' of trading, the fundamental principles of this great co-partnership of retail chemists remain in force unchanged and unaltered.

If there is not a Rexall Agent in your area and you would like to have some particulars of this progressive organisation, write to—

UNITED DRUG COMPANY, LTD.,
NOTTINGHAM.

C.F.H.

EDME MALT EXTRACT WITH COD LIVER OIL

Guaranteed pure and manufactured from the choicest Barley Malt and the finest Norwegian Cod Liver Oil.

"Edme" Malt Extract with Cod Liver Oil is rich in diastase, and contains all the vitamins in an active state, in carefully balanced proportions, the presence of which has been proved to be so essential in foods for the proper nutrition of the body.

Customers' own name and address printed on label.

Write for Samples and Trade Terms to:

EDME Ltd., 122/124 Regent St., LONDON, W.1

Works: Mistley, Essex.

Telephone: REGENT 7525.

Telegrams: "EDME, PICCY, LONDON."

We help you to sell this non-alcoholic Ginger Wine

not that our help is absolutely necessary, for in thousands of cases it sells itself. New customers, however, will be attracted by the smart and telling advertising matter we send out for display purposes. This includes our latest "Savings Bank" novelty. We pay you for the window display and a generous profit is assured.

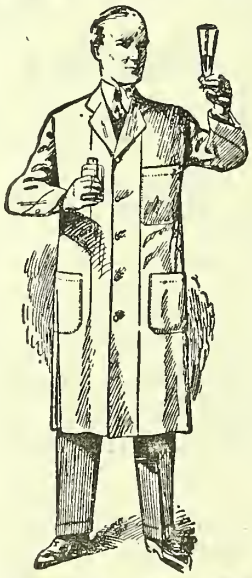
GOOD it's Mason's

MASON'S GINGER WINE ESSENCE

For full particulars write

NEWBALL & MASON, LTD. NOTTINGHAM.

OVERALLS



SEND FOR NEW ILLUSTRATED LIST

Jackets and Coats of very superior quality, made from the most reliable materials, smartly cut and thoroughly well finished in every detail.

WHITE DRILL JACKETS 6/11, 8/11, 10/6
KHAKI DRILL COATS 6/11, 8/6, 10/6, 12/6, 14/6
WHITE DRILL COATS 7/6, 9/6, 12/6, 13/6, 15/6
BLACK DRILL COATS 15/6
GREY COTTON COATS 7/6

STOCK SIZES: 34 to 44 chest. Special pockets and little adjustments can be made without extra charge. POSTAGE on single coat 9d., but 20/- orders upwards carriage paid.

SPECIAL PRICES FOR LARGE QUANTITIES

GARDINER & CO. (*The Scotch House*), LTD.

1, 3, 5 Commercial Road, LONDON, E.1

Telephone: Bishopsgate 6751. *Established 1839.*

GALLOWAY'S COUGH SYRUP

SHOWS OVER 50% PROFIT
WHEN BOUGHT ON BEST TERMS

A £5 ORDER

ENTITLES YOU TO

10% DISCOUNT & 2½% FOR PROMPT CASH

WITH A BONUS OF

½ DOZ. 1/3 SIZE OR ¼ DOZ. 2/6 SIZE

FOR 14 DAYS WINDOW DISPLAY.

1/3 SIZE 12/- PER DOZ.
2/6 „ 24/- „ „

CARRIAGE AND PACKING FREE IN UNITED KINGDOM

LOOK TO YOUR STOCKS AND SEND YOUR ORDER NOW

P. H. GALLOWAY, LTD.
LONDON, S.E.17

PURE RUSSIAN

LIQUID PARAFFIN MEDICINAL B.P.

ALL GRAVITIES. HIGHEST VISCOSITY.

PURE RUSSIAN

"JASMINE" BRAND WHITE OILS

CHEMICALLY PURE. WATER WHITE. ODOURLESS.
FOR MANUFACTURING PURPOSES.

Competitive Prices. Best Quality. Immediate Delivery.

THE PURE RUSSIAN LIQUID PARAFFIN CO., LTD.

80 BISHOPSGATE, LONDON, E.C.2

Telephone: LONDON WALL 7132-7133. – Telegrams: "INVATORE, STOCK."

Paraffinum Liquidum B.P.

ALL GRADES
SAMPLES & PRICES

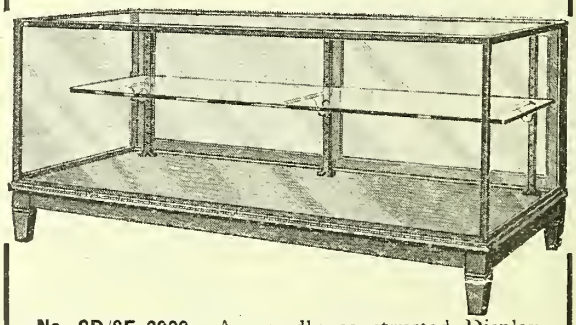
On application to —

STERNS LTD

16 Finsbury Square London E.C.2

WHOLESALE ONLY

GLASS COUNTERS BRING MORE TRADE



No. CD/SF 2920. A soundly constructed Display and Serving Counter made in our own works at Holloway Road—6 ft. × 3 ft. × 2 ft. oak or mahogany framing, glazed new ¼″ drawn plate glass top, front, and ends. Clear glass sliding doors at back. Interior fitted 1 row of shelves 12″ wide, brown bronze bars and brackets.

DEFERRED TERMS.
An initial payment of 18/10 secures this counter, and 11 further equal monthly payments of the same amount make it your own complete property.

£10-15-0
Cash Price. Ex. Works.

Send for our New List No. C.D.1260.

DUDLEY & COMPANY LIMITED
451 HOLLOWAY ROAD, LONDON, N.7
City Showrooms: 65-66 FORE STREET, E.C.

Nature's Cure is the best

Fresh evidence is constantly forthcoming that the synthetic vitamin products which purport to take the place of the natural vitamins of Cod Liver Oil are not only inferior but may even be injurious in their action.

It has, in fact, proved impossible to manufacture any effective substitute for Cod Liver Oil, nature's own medicine, which is so rich in the valuable vitamins A and D in the right mutual proportions.

Every barrel of the world-famed Norwegian Cod Liver Oil is exported under the supervision of the Norwegian State.

A TEASPOONFUL OF NORWEGIAN COD LIVER OIL CONTAINS MORE VITAMINS THAN

ALL THE BUTTER AND MILK ANY INDIVIDUAL CAN EAT AND DRINK IN A DAY

Norwegian Cod Liver Oil

National Committee for Promoting the Consumption of Norwegian Cod Liver Oil, Post Box 226, Bergen, Norway.

2

"VITAMIN TESTED YEAST"

Yeast specially prepared for medicinal purposes.

GUARANTEED ABSOLUTELY PURE.

MIDGLEY & PARKINSON, LTD.,
WARREN WORKS, PUDSEY, LEEDS.

DRIED MILK

Large buyers of Full Cream, Half Cream, Separated, Milk Sugar, Whey Powder, Soluble Milk Casein, are invited to apply for samples and quotations, stating probable requirements. Eight Creameries in Dorset, Somerset and Wilts.

PRIDEAUX'S LTD., MOTCOMBE, SHAFTESBURY, DORSET

WE SUPPLY

DECORATED TINS

FOR PACKING

OINTMENTS

AND OTHER PRODUCTS.

SAMPLES AND PRICES UPON REQUEST.

THE CALDICOT TIN STAMPING WORKS LTD.
CALDICOT, Nr. CHEPSTOW, Mon.

AN OLD-FASHIONED—BUT REALLY EFFECTIVE remedy for COUGHS, COLDS, INFLUENZA and BRONCHIAL troubles.

licoricine

ACTS LIKE MAGIC

Prices 10½d., 1s. 3d. and 3s.

TERMS.
10½d. size, 8/6 per doz.
1/3 „ 12/- „
3/- „ 27/- „
Less 5% dis. on £6 orders.
Carriage paid on orders of £2 and over.

MANDALL & CO. Ltd., 17/23 Stepney Rd., Newcastle-on-Tyne.
LIVERPOOL BRANCH: 130/132 RICE LANE, LIVERPOOL (Telephone: 59 Walton).
Distributing Depot for Lancashire and Cheshire.

A Customer Magnet for your window

If this attractive 4 plane cut-out show-card, lithographed in 10 colours, is exhibited in your window for two weeks you will qualify for a bonus of 1 dozen boxes Rendell's Pessaries.

Please write for full particulars and conditions of this offer.

RENDELL'S PESSARIES

Reputation Tells!

NORVIC Reg'd CRÊPE BANDAGES

SANITARY TOWELS

made by

The ORIGINAL and Most Popular

The "K." All wool in knitted cover, very soft.

The "CELTEX." Made of Cellulose for easy disposal.

FROM YOUR WHOLESALE HOUSE, PLEASE

SOUTHALLS

"STERAID" Regd. Dressings

Patent No. in Great Britain 221761/1924 and patented in all the principal foreign countries.

Patent Rotating Canister packing to retain aseptic conditions. In use, only the amount required is withdrawn and cut off. The remainder is not exposed.

GAUZES.

	Minimum Public Prices Each 6-yd.	3-yd.	1-yd.	Minimum Trade Prices Per Doz. 6-yd.	3-yd.	1-yd.
Sal Alembroth, Sublimate, Carbolic, Boric	1/11	1/2	-/7½	17/3	10/6	5/7½
Plain Absorbent	1/8	1/0½	-/7	15/-	9/4	5/3
Double Cyanide	2/-	1/2½	-/8	17/6	10/7	5/9
Iodoform 5%, Picric	2/8	1/6½	-/9	24/-	13/10	6/9

LINTS.

PLAIN and BORIC.	Min. Public Prices	Min. Trade Prices
2 in. wide	1/1 each	9/6 doz.
4 "	1/7½ "	14/7 "
6 "	2/2 "	19/8 "
Approx. 6 yds. Plain & 4 yds. Boric		

ORDER THROUGH USUAL WHOLESALER.

ROBERT BAILEY & SON LTD., Marriott Street Mills, STOCKPORT

'Phone: Stockport 2794 and 4166. London Office: SOUTHAMPTON ROW, W.C.1 Wires: "Undisputed, Stockport."

ALL OVER THE COUNTRY

WHAT YOUR COLLEAGUES IN PHARMACY THINK ABOUT THE PHARMAL

NORTH

Edinburgh.
"These I have stocked for the past two winters, and have never yet had a single complaint."
H. L. W.

This season sell the "Pharmal" Hot Water Bottle and give yourself goodwill and your customers satisfaction.

WEST

Warrington.
"Last year I did well with the 'Pharmal,' with not a single complaint or adverse criticism."—P. L.

EAST

Birmingham.
"Please send us supply leaflets—about 250. We did very well with this bottle last season."—R.

This season the "Pharmal" is further improved:—
1. The neck is slightly funnel shaped so that every drop of water flows evenly and easily into the bottle. 2. The neck is so constructed that it is impossible for water to leak.

SOUTH

Steyning.
"I stocked and sold a fair number of the 'Pharmal' Bottles last season and they appeared to have given satisfaction to all."—F. S.

Pharmal
HOT WATER BOTTLE

You are invited to write for a supply of "Pharmal" leaflets overprinted with your name and address. The "Pharmal" is obtainable through all leading wholesale houses. Available in a variety of colours and designs.
The Leyland & Birmingham Rubber Co. Ltd.,
Grand Bldgs., Trafalgar Square, W.C.2

CARTONS

FANCY BOXES

SHOWCASES

FOLDING BOXES, WIRE-SEWN BOXES, PRINTED and EMBOSSED LABELS, SHOWCARDS, &c.

·EST·
1842

May we quote YOU?

JOHNS, SON & WATTS
LIMITED
40 CITY ROAD, LONDON, E.C.1

PHONE: CLERKENWELL 1128 GRAMS: JOHNS PHONE LONDON

Best sellers

The public is asking for *ZEAL* CLINICAL THERMOMETERS because they are:-

GUARANTEED TO *STAY* ACCURATE

CONSISTENTLY ADVERTISED

A CENTURY'S EXPERIENCE

The world-wide reputation of Mathers' Products is not a chance affair. A century's manufacturing experience, an efficient organisation, modern methods, and prompt service combine to guarantee a very high standard of excellence.

Mathers' Plaisters are always reliable.

PLAISTERS

Belladonna, Wintergreen and Capsicum. Poor Man's Plaisters, Mustard Plaisters, Mathers' Bronchial Wafers, etc., will soon be in seasonal demand.

A variety of up-to-date packings are offered. Samples and prices gladly sent on request.

WILLIAM MATHER Ltd.

MANUFACTORY & REGISTERED OFFICE: DYER ST., HULME MANCHESTER

Incorporating Mace & Haldane Ltd., Mitchell St., London, E.C.1

QUALITY H 14a STILL SUPREME

HOT WATER BOTTLE COVERS

BRITISH MADE FROM BRITISH MATERIAL

"SOLPORT'S GOODS ARE GOOD GOODS"

QUALITY H14a VELOURS

STILL LEADS FOR EXCELLENCE AND VALUE

BEST BRITISH MAKE FROM BRITISH MATERIAL
AT STRICTLY COMPETITIVE PRICES

LOOK FOR THE BRAND "H 14A" ON THE TAB

ESTABLISHED 1857 SOLPORT BROTHERS LIMITED ESTABLISHED 1857

Telephone: Clerkenwell 9211 (3 lines) 184-192 GOSWELL ROAD, LONDON, E.C.1 Telegrams: Solport, Barb, London

. . . *Win More Sales With*

"WINNING COLOURS" Dyes!

MORE AGENTS STILL WANTED

Send to-day for full particulars, and have "Winning Colours" in the race for sales.

Unequalled for strength and beauty of colour, with correctness of tone, these well-known dyes will bring you many repeat sales. They attract customers to your shop, for, once tried, "Winning Colours" Dyes are always used.

Particulars of this profitable agency, window display material, etc., will be gladly supplied. Convincing and attractive advertisements, which appear in the National Dailies from time to time, will stimulate the public interest, and bring you increased demand.

Buy the Dyes of Cup Fame!

The UNITED INDIGO & CHEMICAL Co. Ltd.
HUDDERSFIELD - - - YORKSHIRE

Sales Agents for Southern England: THE PHIL-SANO CO., LTD., CRAVEN HOUSE, KINGSWAY, LONDON, W.C.2

VISKAP
SELF-FIXING HERMETIC SEALING
BOTTLE CAPS
SUPPLIED WET OR DRY
VISCOSE DEVELOPMENT COMPANY, LTD.
WOLDHAM ROAD, BROMLEY, KENT.
Telephone: Ravensbourne 4561. Telegrams: "Viscose, Bromley."

GLASS BOTTLES

We specialise in

DISPENSING FLATS
COUGH MIXTURE PANELS

Write for Quotations
A good Bottle at a low price

WM. HANSON & SONS, Ltd.
'Phone: 3307 Rose Grove, Burnley.

Are you packing your own

COUGH MIXTURE,

COLD & INFLUENZA MIXTURE, Etc.

for this WINTER SEASON?

We shall be pleased to supply specimens of

LABELS · CARTONS · SHOWCARDS

and any other printing matter to help your sales.

We have recently reduced paper prices for

WHITE DEMY · STRIPED COLOURED WRAPPINGS · YELLOW WOVE & KRAFTS

Ask for Prices and Samples.

SUTTLEY & SILVERLOCK LTD., 92 BLACKFRIARS RD., S.E.1

HOP 3473-4-5-6.

WESTMINSTER

COLLEGE OF PHARMACY

190 Clapham Road, London, S.W.9.

Founder: G. S. V. WILLS, Ph.C. *Principal:* P. H. WOODNOTH, Ph.C., F.C.S.

JANUARY SIXTH

SIX MONTHS' COURSE FOR P.S.E.

THREE MONTHS' REVISION COURSES.

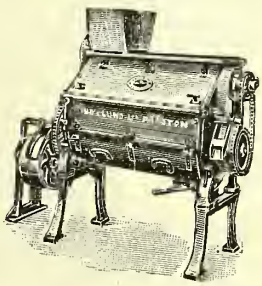
Preliminary Instruction by Post is available for all Students who propose to attend the Day Classes.

Full details and prospectus may be obtained from The Secretary.

"ATLAS" PATENT

SIFTERS & MIXERS

Combined or Separate Machines for hand or power.



MAKERS OF
BALL MILLS
DRYERS
GRINDERS

Various Sizes.

HIND & LUND
LIMITED
ATLAS WORKS,
PRESTON
Established 1791.

Why **CATALINE** Pays to Stock

BECAUSE it enjoys the largest sale of any Cattle Medicine Preparation and is on the **P.A.T.A.**

BECAUSE it is consistently advertised and all advertisements refer to the Chemist as the source of supply.

BECAUSE it is well packed, does what it is advertised to do, and shows the trade a satisfactory profit.

BECAUSE we do not employ travellers to call on Farmers or solicit orders at cattle fairs or markets.

One size, retailed at face value, viz.: 3/9 per bott.

Cash with order terms.

1 doz. 36/-, 3 doz. at 35/3, 6 doz. at 35/-, 12 doz. at 34/6 per doz.
CARR. PAID. CASES FREE.

Stocked by most Wholesale Houses.

THE CATALINE CO., LTD., Bristol

PHARMACEUTICAL

W HIGHEST

DISPENSING BOTTLES
CHEMISTS ROUNDS
FEEDING BOTTLES
SOXHLET BOTTLES
EYEBATHS

SPRINKLER BOTTLES
OPAL AND FROSTED GLASSWARE

QUALITY GLASSWARE

K. GRAHAM

DESIGNERS & MANUFACTURERS OF GLASSWARE FOR PERFUMES COSMETICS AND BATH SALTS

WOOD BROS. GLASS Co
LIMITED
(ESTABLISHED 1828)
BARNSLEY • • • ENGLAND

Whose Money?

WHEN mistakes, forgetfulness and temptation take toll of the takings . . . . whose money is short?

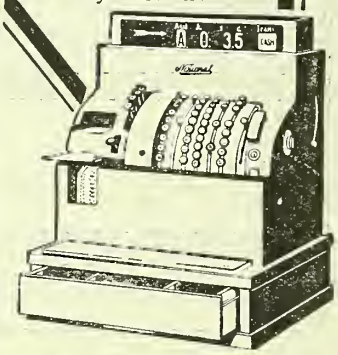
Wholesalers, assistants, rent, rates, taxes and other overheads must be paid. Whenever cash leakages occur IT IS THE PROPRIETOR WHO LOSES.

That is why thousands of retailers throughout Britain declare that their adoption of a

National
CASH REGISTER
is the best investment they ever made.

"NATIONALS" embody every Cash Register feature of proved value. They not only reveal and stop profit leakages . . . they enable alert retailers to INCREASE profits, and to do it with much less work and worry.
Full details about a "National" that will meet your needs exactly await your request. Write and tell us your problems to-day. Every machine is offered on easy terms and enquiry involves no obligation.

Address enquiry to:—
NATIONAL CASH REGISTER Co. Ltd.
225 Tottenham Ct. Rd., W.1
'Phone: MUSEUM 9811

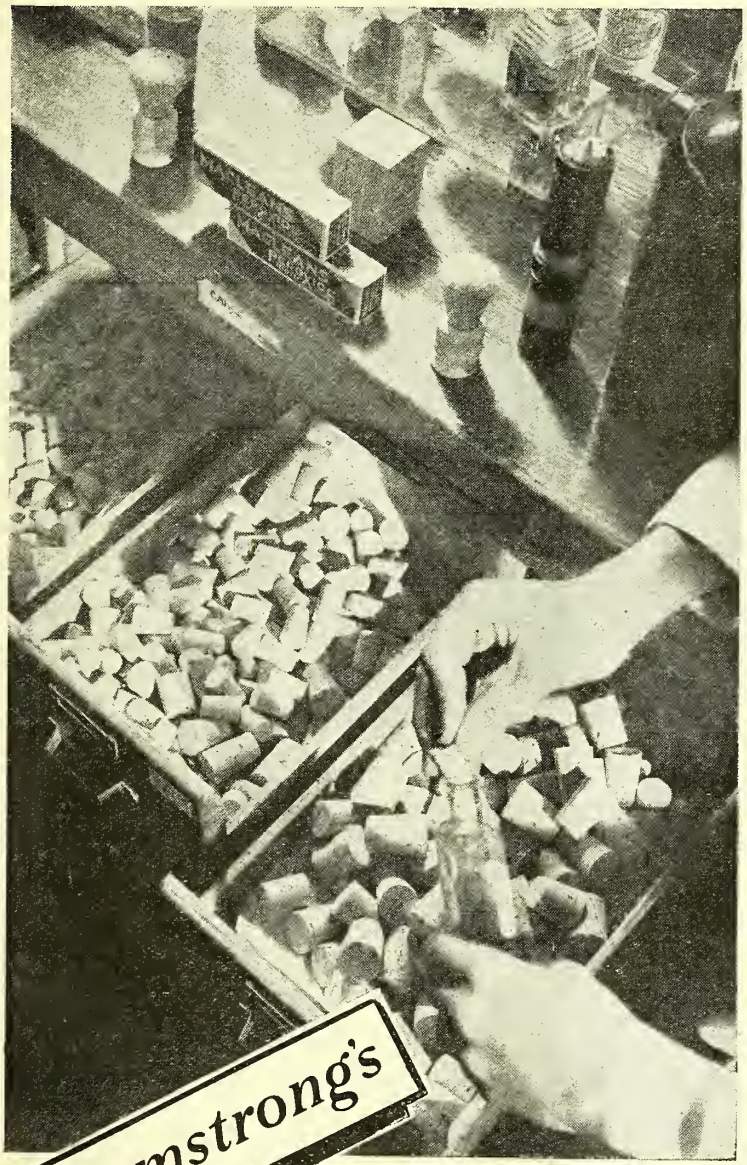


In the last 5 years the sales of

TOWN TALK
LIQUID SILVER POLISH
& SILVER PLATE CLOTH
have increased
3 Fold
Get *your* share of the trade by ordering from
JAMES WOOLLEY, SONS & CO., Ltd., Manchester
AYRTON, SAUNDERS & Co., Ltd., Liverpool
BROOKS & WARBURTON (American Drug Supply Co.), Ltd.

Town Talk Polish Co.
Whitby St., Bradford Road, Manchester

Some chemists are methodical in all things but one . .



. . . they can never find the right cork at the right time.

Use Armstrong Corks and you'll never have to fumble around searching for the right size. Armstrong Corks are classified, each size and quality packed in dust and germproof bags. Careful sorting and rigid inspection at the factory ensures corks that are unvarying in size, taper and quality. Next time you order corks, order by the Armstrong size-number and say which quality you require—

1st—"Gold Leaf," 2nd—"Silver Leaf," 3rd—"Blue Leaf," 4th—"Green Leaf," and 5th—"N.H.I."

If your wholesaler cannot supply you from stock, write—

Armstrong Cork Co., Ltd.,
Cork Division,
Aldwych House, Aldwych, W.C.2.

Armstrong's
Ⓐ
Product

What size corks do you want? The Armstrong Cork "String" tells you. Send for one. Which quality? Write for samples.

CORKS

STANDARD SIZES: STANDARD QUALITIES.

"Take its name and number."

KORK-N-SEAL

(REGISTERED TRADE MARK.)

The Cap with the little Lever

Manufacturers, who take a pride in their products, who appreciate how much more convenient and secure KORK-N-SEAL is in every way, are adopting this unrivalled world-famous cap. They know this is the cap the public looks for.

KORK-N-SEAL Ltd.

40/43 NORFOLK STREET, STRAND, W.C.2.

Telephone: Temple Bar 6680 *Telegrams:* "Korkanseal, Estrand, London."

[48/24]

ASK A BRITISH MANUFACTURER

FOR PRICE

AND SAMPLES

OF

ALL-BRITISH BROMIDES

POTASS - SODA - AMMON.

Guaranteed Highest Quality

at Lowest Competitive Prices

WHIFFEN & SONS LTD

INCORPORATING GEORGE ATKINSON & CO.

(ESTABLISHED 1654)

CARNWATH ROAD - FULHAM, S.W.6

TELEGRAMS. "WHIFFEN, LONDON" TELEPHONE. FULHAM 0037 (3 lines)

Starting in Business ?

Write for Ayrton's Booklet

"A New Pharmacy"

AYRTON, SAUNDERS & CO.
LIMITED

LIVERPOOL
ENGLAND

To Wholesale and Export Trades
SOLID & LIQUID
EXTRACTS
Green Extracts
Expressed Juices
Essential Oils
Belladonna &
Henbane Preps.
MEDICINAL SPIRITS
IN BOND FOR EXPORT
WM. RANSOM & SON LTD.
Manufacturing Pharmaceutical Chemists
HITCHIN, Near LONDON

MALTED FOODS
Special Foods Devised "Own Name" Formulae Prepared & Packed
George King & Co. Ltd.
Sycamore Street
London, E.C.1
IN TINS OR TONS

Wyleys
Wholesale Druggists, Manufacturing Chemists.
LIMITED
COVENTRY
ESTABLISHED 1750
Pharmaceutical Preparations & Specialities
Veterinary & Photographic Specialities
WRITE FOR LISTS.

Printed for the Proprietors by THE AVENUE PRESS (L. UPCOTT GILL & SON, LTD.), 55 to 57 Drury Lane, W.C.2, and Published by the Proprietors, Morgan Brothers (Publishers), Ltd., at 28 Essex Street, Strand, London, W.C.2.—December 19, 1931.

THE CHEMIST AND DRUGGIST SUPPLEMENT

28 ESSEX ST.
LONDON, W.C.2

DECEMBER 19, 1931

This Supplement is inserted in every copy of The Chemist & Druggist.

SPECIAL NOTICE

OWING to the XMAS HOLIDAYS, all advertisements for the **Supplement of December 26th** must reach this office by **First Post**

WEDNESDAY, DECEMBER 23rd

ORRIDGE & CO.

56 LUDGATE HILL, E.C.4

ESTABLISHED 1846 *Telephone No.: CITY 2283*

May be consulted at their Offices on matters of Sale, Purchase & Valuation

1.—NORWOOD.—General Retail and Dispensing Business, with Kodak Agency; returns about £1,450 per annum; net profit £375; stock and fixtures worth £650; rent £55 per annum; sub-let 35s. weekly; house can be obtained; price £950.

2.—WESTERN SUBURB.—Family Retail and Dispensing Business, with Kodak Agency; returns last year £1,860, with net profit £450; double-fronted shop, well fitted and stocked; five-roomed house with bathroom; rent £100 per annum; long lease; price £1,150, or valuation terms entertained.

3.—NORTH LONDON.—Middle-class Retail Business; returns average £1,300 per annum; present rate less on account of bad management; net profit under personal supervision, £450; good living accommodation; rent £57 10s.; long lease; stock and fixtures worth £550; price £600.

4.—ALDGATE (near).—General Retail Business, with N.H.I. and Photographic; established many years; returns, under management, exceed £3,000 per annum; if run by owner the net profit would exceed £800 per annum; double-fronted corner shop, well fitted and amply stocked; rent £80; long lease; valuation terms entertained.

5.—CAMBERWELL.—Middle-class Retail Business, with small N.H.I. and good D. & P. connection; returns last year £1,545; net profit 28 per cent.; stock and fixtures worth £550; rent £60; sub-let 24s. weekly; price £875.

6.—MORDEN.—Middle-class Retail Business; returns £26 weekly, increasing; large N.H.I.; double-fronted shop, well fitted and stocked; new lease; living accommodation; vendor will sell at cost, about £900.

7.—MIDDLESEX (Suburban).—Cash Retail Business, situate in commanding position; returns, under management, £35 per week; double-fronted shop, handsomely fitted and very well stocked; net rent £125 per annum, inclusive; price, valuation of stock and fixtures only.

8.—SURREY.—Good-class Retail and Dispensing Business; returns £1,500 per annum at good prices; scope for increase; double-fronted shop; good living accommodation; new lease; moderate rent; stock and fixtures worth £1,050; price to be arranged; part payment entertained.

9.—SOUTHERN CITY.—General Retail and Dispensing Business, with Kodak Agency and small Optical connection; returns last year £2,560; gross profit 40 per cent.; double-fronted shop; living accommodation; reasonable rental; long lease; terms, valuation of stock and fixtures, plus £500 for goodwill; Optical stock need not be taken over unless required.

10.—WYE VALLEY.—Good-class Retail and Dispensing Business for Sale on account of the death of the owner; returns last year £3,439; double-fronted shop in main street; living accommodation; stock and fixtures worth approximately £2,500; price to be arranged; the freehold property is also for disposal; further details on application.

11.—BOURNEMOUTH (death vacancy).—General Retail and Dispensing Business in commanding position; Kodak Agency; returns approximately £3,000 per annum; scope for large increase; gross profit £1,450; upper part let off; valuation terms entertained.

12.—NORTHAMPTONSHIRE.—General Retail Business, with Kodak Agency and N.H.I.; returns last year £1,530, plus Photographic with averages about £100 per annum; double-fronted shop; eight-roomed house; rent £60; stock £300; price £750, or offer; premises may be purchased if desired.

13.—HUDDERSFIELD.—Good-class Family Retail and Dispensing Business, with N.H.I. and Wine Licence; returns last year approached £4,700; double-fronted shop, well fitted and stocked; held on renewable lease; price £2,750, or valuation of stock and fixtures, plus £850 for goodwill; further details on application.

14.—SUSSEX (small town).—Medium class General Retail Business, with N.H.I. and Photographic; returns last year £1,613, increasing; vendor estimates the stock and fixtures to be worth £720; good living accommodation; private entrance and small garden; rent £35 per annum; held on lease; price £1,100; good reason for sale.

Chemists' Transfers, Valuations for Sale, Stocktaking & Probate

SPECIAL TERMS FOR INCOME TAX VALUATIONS

BERDOE & FISH

CHEMISTS' VALUERS AND TRANSFER AGENTS,

41 Argyle Square, KING'S CROSS, W.C.1

(One minute from St. Pancras and King's Cross Stations.)

1.—WINCHESTER.—Good-class Retail and Dispensing, with small Optical connection; returns £2,560; net profit £550; two assistants kept; large house and pharmacy; long lease; price £500, plus valuation of stock and fixtures.

2.—SOUTH COAST.—Medium-class Business, easily worked, showing steady increase; returns £1,600; net profits £490; low rent; house attached; price £1,100.

3.—CHESHIRE.—Light Cash Retail, in central position of large town; returns under manager £1,100; scope for increase; large shop, well stocked; price £500.

4.—SOUTHAMPTON (Near).—Good-class Business showing steady increase; returns approach £1,800; modern pharmacy, in good position, well fitted and stocked; long lease; price £1,200.

5.—DEVON COAST (Death Vacancy).—Neglected Business in small seaside resort; returns about £1,250; plenty of scope; modern premises; splendid garden, etc.; price £850.

6.—YORKS (W. Riding).—Light Cash Retail in pleasant suburb; returns exceed £1,750; large shop with house attached; low rent; stock and fixtures worth £900; price £1,150.

7.—LONDON.—Good-class Store and Dispensing Business in busy main road; returns exceed £5,000; net profit £1,000; books audited; price £4,000; bankers' reference required.

8.—LONDON (Essex Suburb).—Light Suburban Retail, returning over £2,200; net profit £585; main road position; fully stocked; price £1,750, or valuation terms arranged.

9.—NORTH LONDON.—£700, or close offer, secures a profitable Cash Retail in main road position; returns last year £1,300; good Panel; low rent; house attached; stock worth £400; worth attention.

10.—STREATHAM (Near).—Good middle-class Retail; easily worked; scope for increase; returns over £1,200; net profit £360; beautifully fitted shop; good stock; price £950, or offer.

11.—LONDON, N.W.—Profitable Cash Retail; main road position; returns average nearly £2,200, audited figures; corner shop; long lease; price £1,500, or valuation terms arranged.

STOCKTAKING VALUATIONS.

Estab. 1870. Telephone: Terminus 3574.

THE ASSOCIATION OF MANFG. CHEMISTS, LTD.

BUSINESS AGENCY, TRANSFER AND VALUATION DEPARTMENT.

Head Offices—**Kimberley House, Holborn Viaduct, London, E.C.1 (and at 2 Bixteth Street, Liverpool).**

PARKIN S. BOOTH, Valuer.

'Phone: City 1261-2-3.

BUSINESSES FOR DISPOSAL.

1.—LONDON, S.E.—Acid, Drug and Chemical Business for quick disposal. Premises held on weekly tenancy at 14s. per week, returns average £25 per week. Stock and fixtures estimated at £500. Offers invited.

2.—DEATH VACANCY.—DEVON.—Cash retail dispensing business recently opened. Reasonable lease will be granted or freehold may be acquired. Returns between £1,500 and £2,000, all cash. Good living accommodation. Applications for further particulars invited.

3.—BRIGHTON.—Very old established business situate in busy thoroughfare; rent £150 p.a. Premises consist of large shop, good windows, and showrooms. Could be let off at £80 to £100 p.a. Returns £30 to £40 per week, mainly cash. Scope for improvement. Further particulars on application.

4.—CHESHIRE.—Old-established Chemist's Business, situate in good position; single-fronted shop and dwelling accommodation held on lease at £59 p.a.; returns approximately £10 per week; price asked, £250. Further particulars on application.

Stocktaking Valuations: We undertake this work at special rates and invite early applications.

ERNEST J. GEORGE, CHEMISTS' VALUER AND TRANSFER AGENT

TUDOR HOUSE, WALSALL.

Tel.: Earnest, Walsall. *'Phone: Walsall 3774*

Quotations for Stocktaking or for Pricing Chemists' Own Stock Records Supplied on Application

Correspondence is invited from prospective purchasers relative to the following businesses for disposal:—

(C1) SOUTHERN COUNTY (CATHEDRAL CITY).—Old-established high-class family and dispensing business; returns for last financial year upwards of £2,550; net profits £550—£600; excellent living accommodation; long lease at moderate rental; pharmacy well stocked and beautifully fitted; purchase price, goodwill £500, stock and fixtures at valuation; sound genuine business, personally visited and recommended.

(C2) KENT.—Good family business, old-established, showing returns for last financial year upwards of £2,000; net profits approximately £500; rent, £85; lease 17 years unexpired; good scope for increase; sound proposition, personally visited and recommended.

(C3) LONDON, EAST.—Retail and dispensing business well situated in busy main thoroughfare; returns (certified) upwards of £2,300 per annum; net profits £570—£600; N.H.I. (approximately 1,000 scripts monthly); good living accommodation; low rental; good lease; chartered accountant's figures available for inspection by genuinely interested prospective purchasers; thoroughly sound proposition. (Visited and recommended.)

(C4) NORFOLK.—Old-established Pharmacy for disposal on account of contemplated retirement; double-fronted premises with excellent living accommodation; returns for 1930, approximately £2,000; chartered accountant's figures available; genuine proposition, capable of every investigation. (Visited and recommended.)

(C5) NORTH MIDLANDS.—Recently established pharmacy occupying leading position in centre of small market town; owner disposing solely on account of unforeseen domestic circumstances; average turnover £35 to £40 weekly, and increasing; moderate rental; 21 years' lease; exceptional opportunity. (Visited and recommended.)

(C6) MIDLAND CITY.—Pharmacy well situated in middle-class residential area; net profits (certified) approximately £500 per annum; returns upwards of £45 weekly; good living accommodation. (Visited and recommended.)

(C7) SOUTH-EAST COAST.—High-class pharmacy doing £35—£40 weekly; good living accommodation; long lease at moderate rental; audited accounts available. (Visited and recommended.)

(C8) LEICESTER.—Pharmacy with living accommodation, well situated in busy thoroughfare; average turnover, £2,250 per annum; net profits approximately £500; rent, £100; lease to suit purchaser; purchase price, goodwill £300, plus value of stock and fixtures.

(C9) LONDON, S.E.—Old-established retail and dispensing business, well situated in main shopping area; present net profits exceed £400 per annum; death reasons for disposing; scope for further increase; purchase price approximately £950. (Visited and recommended.)

(C10) SOMERSET.—Village pharmacy well situated and entirely unopposed; takings for last year approximately £1,800; low rental; healthy district; extensive scope for further development; full particulars to likely purchasers upon application. (Visited and recommended.)

(C11) HEREFORDSHIRE (NEAR)—MARKET TOWN.—Sound retail business, situated in good class residential area; present returns approximately £35 weekly, being an increase on last year's figures; modern living accommodation with all conveniences; net profits for last financial year, £480; rent £40 on long lease; owner has option on larger business, and will consider any reasonable offer for quick sale; unique opportunity to acquire an exceptionally good profit-earning business, perfectly genuine, and possessing good scope for further increase, at a figure not comparable with present-day value.

(C12) NORTHANTS (SMALL TOWN).—Old-established retail and dispensing business doing approximately £30 weekly; N.H.I. (about 600 scripts per month); good living accommodation with all modern conveniences; rent, £60; reasonable purchase price; holds the only wine licence in the town.

(C13) £200 OR OFFER.—Pharmacy (lock-up), sadly neglected but possessing good scope for increase and development under go-ahead proprietorship; present returns approximately £14 weekly; no near opposition; premises well situated; exceptional opportunity for beginner. (Visited and recommended.)

(C14) BRIGHTON.—Old-established business situated in busy shopping district; average turnover for last three years approximately £1,800 per annum; rent, £150 on long lease; excellent scope for increase; no near opposition; accountant's figures available; good reasons for disposing; for a quick sale owner will accept value of stock and fixtures. (Visited and recommended.)

(C15) HANTS. (SMALL TOWN).—Drug Store, with some optical connection, showing present returns of approximately £20 weekly; modernised premises with good living accommodation; excellent scope under qualified proprietorship; purchase price for quick sale, £250.

(C16) MERSEYSIDE.—Drug Store doing £10 to £12 weekly and well capable of increase; main road situation; good living accommodation; low overhead charges; bona fide reasons for disposing, verified by personal knowledge.

(C17) BIRMINGHAM.—Sound, genuine business, ideally suited to single man; main road situation; present net profits approximately £275 per annum, with good scope for increase; pharmacy well stocked and fitted; purchase price for quick sale £775. (Visited and recommended.)

S. F. CLARK, F.N.A.A. 'Phone: Richmond 22
CHEMISTS' VALUER and TRANSFER AGENT
34 Marksbury Avenue, Richmond, Surrey.
VALUATIONS for sale, purchase, probate and Income Tax purposes, personally conducted in any part of the British Isles.
ACCOUNTS audited. **BALANCE SHEETS** certified.
BUSINESSES (all districts) available and required.
Enquiries invited.

BUSINESSES FOR DISPOSAL.

6s. for 50 words or less; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

FORFAR, SCOTLAND.—Old-established Chemist's Business, with good connection, for immediate disposal owing to the death of the proprietor.
Shop situated in leading thoroughfare. Lease guaranteed. Stock fresh. An excellent opportunity.
For particulars apply to the Subscribers, who are prepared to negotiate immediately with a suitable applicant.
W. & J. S. GORDON,
Solicitors, The Cross.
Forfar, 14th December, 1931.

BRIGHTON.—General cash trade; main street; good Photographic; well stocked; low rent; no rates; turnover £1,250 per annum; capable of increase; up-to-date light oak fittings, including dispensing department and office; good reason for selling; genuine opportunity; can be purchased for price of stock, about £400. 98/24, Office of this Paper.

LONDON (Suburban).—Light Retail and N.H.I. Branch; main road; Kodak and Ucal; takings £1,093, increasing; price £200, plus stock and fixtures at valuation (about £300). 99/9, Office of this Paper.

LONDON (Suburb).—Advertiser offers a healthy middle-class Business in main thoroughfare of residential neighbourhood; average turnover for last few years approximately £4,000; full particulars with accountant's figures to genuine cash buyers. 99/5, Office of this Paper.

LONDON, E.—Chemist's Business, main road position; returns £1,500; rent £104 per annum; finest double-fronted modern shop front, fixtures and fittings; price £475; stock at valuation; retiring from pharmacy; wonderful opportunity for smart Chemist. Apply "Chemist," 99/39, Office of this Paper.

LONDON, N.W.—Old-established Family and Dispensing Business; good position in main thoroughfare; double-fronted shop; Ucal and Kodak Agencies; very reasonable rent; 20 years' lease; good stock and beautifully fitted mahogany fixtures; returns average last 3 years £43 weekly; audited figures; price for quick sale, stock and fixtures at valuation and agreed sum for goodwill and lease; reason for disposal owner purchased another business; genuine buyers only entertained. Apply 99/20, Office of this Paper.

NORTH LONDON.—Main road, working-class Business; average turnover last two years £26; net profits £400; 10 years' lease; proprietor buying another business; stock £400; goodwill and fixtures £350; first reasonable cash offer secures; good house; low rental; excellent opportunity for beginner; no triflers. 100/60, Office of this Paper.

SOUTH COAST (near).—Good working-class Business; takings last financial year nearly £2,000, increasing each year; established 1925; rent £100; rates £19; living accommodation if necessary; £500 of good stock; accountant's figures available for three years; £975 for quick sale; flat above let at £52 a year. Apply, with bank reference, 98/2, Office of this Paper.

SOUTH SOMERSET.—Unique opportunity occurs to secure Village Pharmacy at sacrifice price; well situated and entirely unopposed; takings for last financial year approximately £1,800; extensive scope for further development; very low rental; healthy and beautiful district; owner going abroad, immediate sale necessary; stock at valuation; goodwill and fittings £550. Write 97/16, Office of this Paper.

FOR SALE.—An excellent opportunity occurs for a young, energetic and qualified Chemist to acquire an old-established Country Pharmaceutical and Grocery Stores near Selby; there is ample living accommodation on the premises, and the owner of the property is prepared to sell or let at a reasonable rental. 97/24, Office of this Paper.

JOHN BRIERLEY, F.N.A.A.
CHEMISTS' VALUER AND TRANSFER AGENT,
135 Queen Street, Newton Heath, MANCHESTER
Sound businesses wanted returning £1,500 p.a. (up to any amount), buyers waiting.
"Personal attention to all matters." *Tel.: Failsworth* 1913.

YORKSHIRE (Famous Spa).—Absolutely first-hand; not previously offered to anyone; good-class Chemist's Business, well fitted and stocked; lock-up; returns this year will be approximately £1,400, should double with strict attention; especially low rent and rates; long lease; corner premises; unique position; residential district; genuine offer and valid reason for disposal; chance seldom met with; accept £350 for fixtures, fittings, etc., plus stock at valuation, approximately £750 required (everything). No triflers entertained. Brierley, Chemists' Valuer, 135 Queen Street, Newton Heath, Manchester. Tel.: Failsworth 1913.

FOR Sale, in residential district of Cardiff, well-equipped Pharmacy with Optical Department; excellent opportunity for energetic man; owner leaving retail pharmacy only reason for selling. 97/32, Office of this Paper.

SMALL Pharmacy (Drugs and Kodak), 60 miles from Crystal Palace; established many years; low expenses; smart shop with living accommodation; good lease; very considerable scope for Dispensing. This business is especially suited to an ex-Service M.P.S. or Ph.C. 99/40, Office of this Paper.

£40 PER WEEK can be done under owner's personal supervision in Business 8 miles north of London; modern Pharmacy in good-class neighbourhood; new well-fitted shop with three other good rooms and flat above, on a busy main road ¾ mile from the nearest chemist; long lease at a reasonable rent; takings at present about £26 per week under management; offers considered. 98/29, Office of this Paper.

BUSINESSES WANTED.

CHEMIST, with ready cash available, desires to purchase sound concern in West Riding of Yorkshire, with minimum net profit of £500 per annum; larger business preferred; good price and spot cash for the right concern; would consider partnership or management with view to early succession; genuine buyer; bankers' and solicitors' references given; all details will be treated as strictly confidential. 99/25, Office of this Paper.

GOOD-CLASS Business, taking £40 to £60 a week; London suburb preferred, but not essential; Partnership in bigger business considered, or Purchase if part-payment would be entertained. Kindly give full details to 99/23, Office of this Paper.

SOUND Retail Business required, mostly cash trade, situated in pleasant district and showing returns of £5,000 per annum or more; living accommodation optional; overhead charges should be in proportion to turnover; capital available up to about £6,000. All particulars treated in strict confidence. 196/933, Office of this Paper.

WANTED to purchase Light Retail in pleasant country or seaside district; returns about £750; living accommodation; unopposed preferred, but not essential. 97/21, Office of this Paper.

FINANCIAL.

PRIVATE company, holding Proprietary Articles of acknowledged utility, solicits applications from gentlemen of ability to assist marketing; must be able to invest £500-£1,000. Fullest investigation offered to *bona-fide* inquirers. Write Harrison, Hill & Co., Accountants, 166 Rye Lane, Peckham, London.

AGENCIES.

HOLLAND. — Traveller, visiting Chemists and Druggists, desires representation for British Manufacturer of Packed Articles. Joh. Verkamman, 105a Hoofdstraat, Schiedam.

PREMISES TO LET.

NEW BOND STREET, W.1 (a few yards from).—Small Lock-up Shop, with large window, very suitable for Dispensing Chemist and Toilet Requisites; no chemist near except very expensive and exclusive businesses; fine opening for middle-class business and panel dispensing in a very busy neighbourhood with good passing trade; £200 exclusive; £100 allowed first year; 7 years' lease, longer if desired. 195/926, Office of this Paper.

UNIQUE opportunity for Pharmacist with personality to open a high-class Pharmacy in the centre of a delightful Southern County town; centre of attraction for thousands of visitors; small shop, house of six rooms; rent £90; long lease available. Letters only (with stamped, addressed envelope), V. Field, "Devonia," Wellington Road, Ealing, W.5.

SITUATIONS OPEN.

RETAIL (HOME).

6s. for 40 words or less; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

LEEDS.—Smart young Locum wanted from January 29-February 10, both dates inclusive (11 days). Applicants must state age, experience, salary required, etc., and applications not answered within seven days respectfully declined. J. Williams, 19 Beckett Street, Leeds.

LONDON, N.4.—Young, qualified Assistant, able to take charge; must be smart, willing and obliging; London experience necessary. State age, salary required, married or single, give references with first letter, and state when free. 100/6, Office of this Paper.

ASSISTANT, with Optical qualification, wanted New Year; good Counterman, Window-dresser, Dispenser, etc. Full particulars, age, experience and salary required. 97/31, Office of this Paper.

ASSISTANT (unqualified), about 30, Surgical Stores, Midlands; some experience in Trusses, Belts, Surgical Appliances; knowledge of office routine, typing preferred. Apply, stating experience, salary required, 99/27, Office of this Paper.

CHEMIST, who has demand for Optical treatment, H.S.A., N.H.I. and private, would like to meet experienced qualified Optician who could give a few hours weekly; testing-room provided; S.W. district. State commission terms. 99/4, Office of this Paper.

MANAGER wanted, with view to eventual Partnership, for Chemist's and Optician's business, North-East Scotland; must have M.P.S. and F.B.O.A. qualifications and considerable Optical experience; single man preferred. Apply, stating experience and salary expected, to 98/10, Office of this Paper.

QUALIFIED Assistant wanted for London, E.1; must be quick and accurate Dispenser, mainly N.H.I., good Counterman and Window-dresser; age not above 30. Write, giving full particulars, stating age, height, experience, and salary required, to "G. S.," 1 Leadale Road, N.16.

WANTED (near London), Qualified (Minor) Lady Assistant, age not over 35; must be a good experienced Saleswoman and thoroughly conversant with all branches of a Chemist's business. Write, stating age, salary required, and enclosing photograph, if possible, to: Cooper & Co. (Sutton), Ltd., 206 High Street, Sutton, Surrey.

WANTED, a young, qualified Assistant for Midlands, used to high-class Dispensing and N.H.I.; enclose photo and salary required, which must be moderate. 100/301, Office of this Paper.

WANTED, qualified Assistant, able dress windows effectively, good Counterman, used to N.H.I. Dispensing and Prescriber; working-class district (branch shop); good references essential. Apply personally at King & Co., 114 Fortess Road, Kentish Town, N.W.5.

PHOTOGRAPHS, TESTIMONIALS, &c.

When answering advertisements in this section applicants are strongly advised not to send (unless specially requested) ORIGINAL TESTIMONIALS or VALUABLE PHOTOGRAPHS. As can be readily understood, when an advertiser receives from 60 to 100 replies the task of returning photographs, testimonials, &c., is one of some difficulty.

EARN MONEY WRITING SHOWCARDS AT HOME
WE TEACH AND SUPPLY WORK
Artcards Ltd. (S.M.) 45a Bouverie Rd. West, Folkestone

YOUNG Managing Assistant, unqualified, wanted December 28 for up-to-date Drug Store; must be good Window-dresser and Salesman; within 40 miles of London; position will not prejudice future engagement. Apply 98/23, Office of this Paper.

WHOLESALE.

6s. for 40 words or less; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

LANCASHIRE, CHESHIRE AND YORK.—Required by well-known manufacturers at an early date Representative, with own car preferred, and connection with Chemists and Stores; remunerative commission and part expenses. All particulars to 195/930, Office of this Paper.

SOUTH of England Representative; own car and connection amongst Chemists and Druggists; substantial commission, part expenses; a considerable number of Chemists of many years' association will be allocated to suitable applicant. All particulars to 195/928, Office of this Paper.

AN exceptional opportunity is now open for energetic, business-like young man who can invest £1,000-£1,500 with Wholesale Manufacturing Chemists to meet increasing business in the coming year. To the right man the post would carry a position on Directorate, whilst every opportunity would present itself for advancement. 98/26, Office of this Paper.

CHEMISTS' Representative wanted by well-known firm of Infant Food Manufacturers for North of England; should be able to drive a car. Apply, stating age, qualification and experience, also remuneration required, to 195/924, Office of this Paper.

DRUGS, DRYSALTERIES. — Old-established firm require Traveller with some connection in Northumberland and Durham; a smart, well-educated man would find good opening. Reply, stating experience, credentials and salary expected, 94/38, Office of this Paper.

LABORATORY Assistant required at once by Northern Drug House; must be experienced in the Manufacture of Tinctures, Extracts, Concentrated Infusions, and all Galenicals on a large scale. State age, wage, and all details in first letter to 195/931, Office of this Paper.

QUALIFIED Chemist required, with experience and knowledge of Tablets and Pills; may be asked to undertake duties in London. State all particulars, with age and salary expected. 195/929, Office of this Paper.

REPRESENTATIVES required for London and South Coast towns, to start now or in the New Year, to carry very remunerative side line; only those with well-established connections amongst Retail Chemists and Stores need apply; good references essential; handsome commission only. Write, giving full particulars (in strict confidence), 98/5, Office of this Paper.

WANTED, Printers' Representative for the whole of Scotland, calling on Chemists; excellent wages and commission. Apply 195/925, Office of this Paper.

WANTED, experienced whole-time Representative to call on Chemists in Greater London area. Reply to 195/932, Office of this Paper, with full particulars of past experience.

COLONIAL, INDIAN AND FOREIGN.

EGYPT.—Correspondence invited from gentleman shortly proceeding to Egypt, visiting Hospitals, Doctors and Chemists; opening occurs for part representation; knowledge of French essential. State age, qualifications, references, etc., to "A. W.," 195/922, Office of this Paper.

SITUATIONS WANTED.

RETAIL (HOME).

2s. for 18 words or less; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

A.A.A.A. QUALIFIED, 23, tall, abstainer, desires post, anywhere; excellent references; slight knowledge of Optics, which would like to increase; interview own expense in West Country; salary moderate; disengaged. Wellington, Duncombe Street, Kingsbridge, Devon.

A.A.A.A.—QUALIFIED, 25, desires berth as Manager or Assistant; 6 years' London and provincial experience; moderate salary; disengaged after Christmas. Harris, 79 Sellons Avenue, N.W.10.

A.A.—UNQUALIFIED; 40; 5 ft. 8 in.; experienced; active; abstainer; Locum, permanency preferred; disengaged. Alexander, 189 Southampton Street, S.E.5.

A.—QUALIFIED, 23, seeks position as Assistant or Manager; experienced Dispenser and Counterman; Photo and Window-dressing; tall; keen; reliable; excellent references. "M.P.S.," 35 Dulverton Road, Leicester.

A.—QUALIFIED, 35, tall, experienced, London and provincial, as Manager, Assistant; Partnership entertained. "Chemist," 21 Church Road, Hanwell, W.

A CAPABLE, unqualified (lady) desires position after Christmas where capabilities are appreciated; 10 years' experience, Dispensing, Counter work, etc. 99/6, Office of this Paper.

ADVERTISER, 26, good appearance, qualified, 3½ years as Manager, seeks post as Locum or permanency good town; Shipping and Agricultural experience. Davies, 26 Bryngurnos Street, Bryn, Port Talbot.

AN experienced, qualified Chemist desires position, with view to early Working Partnership preferred; Midland area; disengaged. 98/38, Office of this Paper.

ANY district; Pharmacist; 29; Manager or otherwise; experienced; London and provinces; sound testimonials. "Caledonia," c/o Letley, 202b Dunstans Road, E. Dulwich.

AS Locum or general help; over 30 years' experience; heavy Panel, Counter, Books, Buyer, Salesman, Prescriber; neat, clean and quick worker. "G.," 130 Scott-Ellis Gardens, N.W.8.

ASSISTANT, 22, desires permanency; unqualified; accurate Dispenser; good Salesman; Window-dressing and Photographic knowledge; highly recommended. H. Gooch, 67 Station Street, Walton-on-Naze.

ASSISTANT, 5½ years' experience, Dispenser and general Retail, requires post; very good references; London; as Junior Dispenser would suit; not afraid of work. 98/18, Office of this Paper.

ASSISTANT (lady), qualified, requires post; disengaged; good experience, N.H.I., etc.; excellent references; moderate salary. 8 Prestonville Road, Brighton.

ASSISTANT, 24, tall, used to Counter and Dispensing, requires permanency; references; London experience. 98/39, Office of this Paper.

ASSISTANT, twelve years' London experience, married, 36, seeks permanency; particulars or interview. Culliford, 53 Dupont Road, West Wimbledon.

ASSISTANT; unqualified; age 24; 9 years' experience in high-class Counter and Dispensing; South of England preferred; permanency required. Write "Dispenser," 4 Station Road, Puckeridge, near Ware, Herts.

CHEMIST strongly recommends his Assistant, age 20, who is disengaged January 4, 1932; high-class Dispensing knowledge and Counter; Manchester or district preferred. Abbott, Chemist, Buxton.

CHEMIST seeks post as qualified Assistant; town or country; genuine, conscientious and reliable man; thoroughly trained in all branches of pharmacy. For particulars write "M.P.S.," 53 Kitchener Street, King's Lynn.

CHEMIST-OPTICIAN (27), M.P.S., F.B.O.A., J.C.Q.O., requires post as Manager; complete outfit for Optical Department; excellent references; disengaged January 1st. "A. R. A.," 14 Ommaney Road, S.E.14.

DISENGAGED.—Unqualified; tall; Scot; 20 years' first-class experience; Dispensing, Counter, Photo; seaside, country, London; business builder; quick, clean, accurate; permanency. Johnstone, 3 Babington Road, Streatham, S.W.16. 'Phone: 0987.

DISENGAGED.—Qualified, thoroughly experienced Pharmacist; good Dispenser; accustomed rapid Panel and Institution work; active; elderly; Locum; suitable permanency; part time entertained; excellent references. "Pharmacist," 62 Charlwood Street, S.W.1.

EXPERIENCED Assistant Chemist, excellent references, good at Counter, passed Part I and prior to entering Qualifying Examination, requires immediate position; keen Salesman and hard worker; also quick and accurate Dispenser; West or North London preferred. "L.," 32 Anson Road, N.W.2.

GENTLEMAN, M.P.S.; middle-aged; any capacity; moderate salary; recommended; disengaged. "S.," 32 Steyne Gardens, Worthing.

GENTLEMAN, good appearance and excellent experience, 35 years, 5 ft. 4 in., fluent French, desires post anywhere in any capacity as Chemist. Please state terms; interview own convenience. 99/10, Office of this Paper.

JUNIOR Assistant; 21; smart; well trained in Dispensing and Counter work; free shortly; interview if required. Horne, 45 Park Road, W.4. 'Phone: Chiswick 3241.

LADY Dispenser desires post, Locums, part time, or would act as Representative for any firm; good Hospital experience; excellent references; tall. Easterbrook, c/o Post Office, Welholme Road, Grimsby.

LADY Assistant, unqualified, desires post; 4½ years' good all-round experience; age 20 years, of smart appearance; excellent references; any district; disengaged. Apply Slinger, Bongate, Appleby, Westmorland.

LOCUM or permanent; qualified; young; well experienced in all branches; energetic; dependable; £4; any district; free now. "Midland," 99/30, Office of this Paper.

LONDON.—Experienced, qualified Manager or Locum; elderly; abstainer; capable. Thomas, 37 Downs Road, Clapton, E.5. 'Phone: Clissold 1448.

MANAGER or Locum; experienced, qualified Chemist; present position 10 years; within reach of Buxton preferred; shortly at liberty. 98/7, Office of this Paper.

MANCHESTER DISTRICT.—Young, qualified Pharmacist requires post; good all-round experience. Ayers, 70 Cowesby Street, Moss Side, Manchester.

M.P.S., thoroughly experienced in Retail trade, capable of taking sole charge, requires position; any district; moderate salary; good reference; French if necessary. Cunningham, 35 The Chase, Watford, Herts.

M.P.S.; 20 years' experience; disengaged; good references; as "Superintendent," Dispenser or Locum; moderate salary. "Pharmacist," 3 Tomlin's Terrace, E.14.

M.P.S. (qualified 1909); married; Manager or Assistant; London and provincial experience; reliable Dispenser and Counterman; London district; available. P.C.B. 17/3, Office of this Paper.

M.P.S.; young; energetic; thoroughly experienced all branches pharmacy; well recommended; will accept moderate commencing salary if prospects of advancement; available at once. "Pharmacist," 14 Bexley Mount, Harehills, Leeds.

PART or full time; unqualified; thoroughly experienced; exceptional references; London or South-West area preferred. "Alpha," 41 Selwyn Avenue, Richmond.

QUALIFIED desires situation, Manager; 10 years last service; permanency. "W.," c/o Orton, 113 Birchfield Road, Handsworth, Birmingham.

QUALIFIED; 32; tall; 17 years' experience in all branches; managing; willing to invest. "B.," 239 Stapleton Road, Bristol.

QUALIFIED; Manager or Locum; well recommended; first-class experience; Dispensing and Photographic; live Salesman; free New Year. 98/25, Office of this Paper.

QUALIFIED, 29½, desires permanency, anywhere; keen; energetic; conscientious; 14 years' excellent experience in all branches. 98/27, Office of this Paper.

SMART young fellow, first-class Dispenser, excellent for Counter, all complete for taking his M.P.S., wishes to be recommended a situation in the North of London; willing to pay £3 for recommendation if it is a satisfactory engagement. Ring Bishopsgate 3834. 6 Ebbsfleet Road, N.W.2.

UNQUALIFIED, age 23, desires situation, Retail, Wholesale, Manufacturing; 5 years' West-End experience Retail. Gerrard, 42 Park Avenue, Wood Green, N.22.

£3 WEEKLY.—Qualified Chemist; long experience; reliable Dispenser; middle-aged; energetic; London. Alex. Wilson, 14 Percy Circus, W.C.1.

CLEAR OUT—your Old or Damaged Stock of Photo Goods
Why keep them any longer? Turn them into CASH.
I GIVE BEST PRICES for Old Films (damaged, fogged or expired dates); Packet Papers. Cards (any sizes). Old Photo Goods or Cameras. Bromide Papers. Plates (all sizes, all makes). Send any goods in the photo line. I buy all, good or bad. Cash per return. A good price for all Cameras. Send them along.
S. E. HACKETT, 23 July Road, Liverpool

WHOLESALE.

A KEEN Representative of outstanding salesmanship; very well known over large territory; highly recommended; smart appearance; good education; Pharmaceutically trained; disengaged January 1; own car; locate anywhere. 100/4, Office of this Paper.

A REPRESENTATIVE, experienced Beauty Preparations, excellent connection London, desires change; good house or first-class Agencies; own saloon car; consider Southern Counties. Write "Cansell," 26 Denmark Road, S.E.25.

ADVERTISER desires to hear of lines suitable for Doctors, Chemists, Dentists or Hospitals; expenses and commission or commission. "J. B. C.," 30 St. Albans Road, Watford.

CHEMIST and registered Dentist, closing down business, seeks post with Wholesale firm; will wait for good post; interview anywhere at own expense. BM/NKDB, London, W.C.1.

FIRST-CLASS Representative, prize records, connection Southern Counties, desires position with house of repute, or would consider first-class Agencies. 96/29, Office of this Paper.

YOUNG man, 19, served apprenticeship in Pharmacy, desires position with prospects in Manufacturing House or Laboratory; keen, energetic, and reliable; moderate salary. Drake, 3 Loughborough, Tiverton, Devon.

COLONIAL, INDIAN AND FOREIGN.

FOREIGN Representative, 32, British, experienced, adaptable, speaking French, Spanish, Italian, some Portuguese, wishes to represent British firm overseas. Write P.C.B. 17/12, Office of this Paper.

M.P.S., 25, 10 years' experience, including managership, Scotland and England, reliable Dispenser, Photographic, excellent references, requires situation abroad; disengaged. Apply Gregory, 65 Lambeth Road, Middlesbrough, Yorkshire.

QUALIFIED Chemist and Druggist, age 27, tall, single, 8 years' all-round experience, desires post abroad. "M.P.S.," 63 Grosvenor Road, Aldershot.

Price lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

MISCELLANEOUS.

10s. for 60 words or less; 1s. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

BARGAINS IN SECOND-HAND AND SHOP-SOILED FITTINGS.—Drug Fittings, Wall Cases, Counters, Dispensing Screens and Counter Cases. Write your requirements or call at PHILIP JOSEPHS & SONS, LTD., 90/2 St. John Street, Clerkenwell, E.C.1. "Pharmacy Fitters for Over a Century."

CHEMISTS' FITTINGS.—We hold an immense stock of Drug Fittings, Dispensing Screens, Glass Fronted Counters, Perfumery Cases, Nests of Drawers, Wall Cases, Silent Salesmen, Upright and Flat Counter Cases, Plate-glass Counters, Cash Tills, Display Stands and Glass Shelves, etc., ready for immediate delivery at competitive prices. Write or call for List. F. MAUND & E. BERG (SHOWCASES), LTD., 175/9 and 336 Old Street, London E.C.1.

CHEMISTS' MAHOGANY FITTINGS.—Complete Drugfittings, 14 ft., 12 ft., 10 ft. and 8 ft. long, 8 ft. 6 in. high; Wallcases, 10 ft., 8 ft., 7 ft. long, 8 ft. 6 in. high; Glass-front Counters, 12 ft., 10 ft., 8 ft. and 7 ft. long; one Wallcase, 4 ft. 6 in. wide, 7 ft. high, 1 ft. deep; Dispensing Screens, 7 ft. 6 ft. and 5 ft. long; two 4 ft. Nests Counter Drawers; low prices to clear; sketches by return. GEORGE COOK, The Working Shopfitter (over 40 years' experience), 27 Macclesfield Street, City Road, E.C.1. Clerk. 5371.

CLOSING down sale owing to decease of proprietor; clean Stock, Fixtures, Fittings and Utensils, recently valued at £250; nearest offer to this figure will be accepted for immediate sale. Apply 72 London Road, West Croydon.

RUDDUCK & CO., 219 and 227 Old Street, London, E.C.1, for Modern Chemists' Shop Fronts. Estimates, drawings and expert advice free. Call and inspect our stock of second-hand and shop-soiled Drug Fittings, Counters, Wall Cases and Dispensing Screens, etc., at low prices. We have what you want, to suit either large or small premises.

£?—COMPLETE CHEMIST FITTINGS at any price you wish to pay. We have erected in our showroom a Complete Chemist Shop with Metal Shop Front, Window Backs, Correct Window Lighting Signs and Modern Interior Fittings. Apply for Lists. D. MATTHEWS & SON, LTD., "The Liverpool Shop Fitters," 14 and 16 Manchester Street, Liverpool. Est. 1848.

EXCHANGE COLUMN.

2d. per word: Minimum 2s. (Box No., 1s. extra.)

FOR DISPOSAL.

CINE PROJECTOR, Ensign Alpha Sixteen; retail £15 15s.; unused; accept £8. Garlick, Chemist, Chesham.

WANTED.

SECOND-HAND B.P., B.P.C. and Martindale, also small Carboys; must be cheap. 100/3, Office of this Paper.

SMALL double-action Tincture Press in good condition. Offers, with full particulars of make and sketch, to 195/927, Office of this Paper.

THE SUPPLY OF SUPPLEMENTS

The clerical work in connection with the posting of spare copies of the Coloured Supplement week by week has increased to such an extent that we have been compelled to reorganise our system of distribution. Our readers will please note, therefore, that in future, instructions can be accepted for not more than six successive issues of the Supplement at a time, and that in every case the name and full postal address should be written on

Post Office Wrappers, Stamped ONE PENNY, to ensure prompt delivery
If wrappers bear a halfpenny stamp only, postal delivery is delayed.

LOOSE STAMPS WILL NOT BE ACCEPTED.

Printed for the Proprietors by THE AVENUE PRESS (L. UPCOTT GILL & SON, LTD.), 55 to 57 Drury Lane, W.C.2, and Published by the Proprietors, Morgan Brothers (Publishers), Ltd., at 28 Essex Street, Strand, London, W.C.2.—Dec. 19, 1931. [58/241